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OF

BROWN UNIVERSITY

1901-1902

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CATALOGUE

OF

BROWN UNIVERSITY

ONE HUNDRED AND THIRTY-EIGHTH YEAR

1901-1902

PROVIDENCE, R. I.
REMINGTON PRINTING CO., 63 WASHINGTON STREET
1901

CORRESPONDENCE

Correspondence addressed simply to BROWN UNIVERSITY, PROVIDENCE, RHODE ISLAND, may be expected to reach the proper department, but, in order to avoid delay and possible confusion, correspondents are requested to note the following directions:

Communications relating to matters directly in the charge of the Corporation should be addressed to the SECRETARY OF THE CORPORATION. Correspondence bearing upon the general interests of the University should be addressed to the PRESIDENT. Inquiries concerning conditions of entrance, whether by examination or certificate, concerning undergraduate courses, and other matters pertaining to the students should be addressed to the DEAN. Requests for the Annual Catalogue and other publications, and inquiries relating to expenses should be addressed to the REGISTRAR. Inquiries in regard to graduate courses should be addressed to the SECRETARY OF THE COMMITTEE ON GRADUATE STUDENTS. Inquiries relating to the Women's College should be addressed to the DEAN OF THE WOMEN'S COLLEGE. Inquiries or information concerning alumni should be sent to the LIBRARIAN.

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CALENDAR 1901-1902

1901	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
July	..	1	2	3	4	5	6
	7	8	9	10	11	12	13
	14	15	16	17	18	19	20
	21	22	23	24	25	26	27
	28	29	30	31	..	..	..
Aug.	..	..	..	..	1	2	3
	4	5	6	7	8	9	10
	11	12	13	14	15	16	17
	18	19	20	21	22	23	24
	25	26	27	28	29	30	31
	..	..	..	..	..	..	..
Sept.	1	2	3	4	5	6	7
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	15	16	17	18	19	20	21
	22	23	24	25	26	27	28
	29	30	..	..	..	..	..
Oct.	..	..	1	2	3	4	5
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	13	14	15	16	17	18	19
	20	21	22	23	24	25	26
	27	28	29	30	31	..	..
Nov.	..	..	..	..	..	1	2
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	24	25	26	27	28	29	30
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Dec.	1	2	3	4	5	6	7
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1902	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
Jan.	..	..	..	1	2	3	4
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	12	13	14	15	16	17	18
	19	20	21	22	23	24	25
	26	27	28	29	30	31	..
Feb.	..	..	..	..	..	..	1
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	9	10	11	12	13	14	15
	16	17	18	19	20	21	22
	23	24	25	26	27	28	..
Mar.	..	..	..	..	..	..	1
	2	3	4	5	6	7	8
	9	10	11	12	13	14	15
	16	17	18	19	20	21	22
	23	24	25	26	27	28	29
	30	31	..	..	..	..	..
Apr.	..	..	1	2	3	4	5
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June	1	2	3	4	5	6	7
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1902	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
July	..	..	1	2	3	4	5
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	27	28	29	30	31	..	..
Aug.	..	..	..	..	..	1	2
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	24	25	26	27	28	29	30
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Sept.	..	1	2	3	4	5	6
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	21	22	23	24	25	26	27
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Oct.	..	..	..	1	2	3	4
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	19	20	21	22	23	24	25
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Nov.	..	..	..	..	..	..	1
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	16	17	18	19	20	21	22
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Dec.	..	1	2	3	4	5	6
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	14	15	16	17	18	19	20
	21	22	23	24	25	26	27
	28	29	30	31	..	..	..

UNIVERSITY CALENDAR 1901-1902

1901.

September 4. *Wednesday.* Annual Meeting of the Corporation (first Wednesday in September).

September 14, 16, 17. *Saturday, Monday and Tuesday.* Examinations for admission to the Freshman Class and to Advanced Standing.

September 17. *Tuesday.* Last day for registration of Undergraduate Students.

September 18. *Wednesday.* ACADEMIC YEAR BEGINS: 8.40 A. M.

September 18. *Wednesday.* Last day for registration of Resident Graduate Students.

September 28. *Saturday.* Examination in Greek for the President's Premiums.

October 1. *Tuesday.* Last day for registration of Non-resident Graduate Students.

October 2. *Wednesday.* Examination in Latin for the President's Premiums.

October 5. *Saturday.* Examination in Mathematics for the Hartshorn Premiums.

October 9. *Wednesday.* Examination in French for the President's Premiums.

November 28-30. *Thursday, Friday and Saturday*

THANKSGIVING RECESS.

December 16-21. *Monday to Saturday.* Term Examinations.

December 23, 1901, to January 2, 1902. *Monday to Thursday, inclusive.*

CHRISTMAS RECESS.

1902.

January 2. *Thursday.* Last day for registration of Undergraduate Students.

January 3. *Friday.* SECOND TERM BEGINS: 8.40 A. M.

February 22. *Saturday.* Washington's Birthday. No University exercises.

March 8-14. *Saturday to Friday.* Term Examinations.

March 15-25. *Saturday to Tuesday, inclusive.*

SPRING RECESS.

March 25. *Tuesday.* Last day for registration of Undergraduate Students.

March 26. *Wednesday.* THIRD TERM BEGINS: 8.40 A. M.

March 31. *Monday.* Last day for receiving theses of candidates for the Doctorate.

May 30. *Friday.* Memorial Day. No University exercises.

May 31. *Saturday.* Last day for examinations for Advanced Degrees.

June 5-11. *Thursday to Wednesday.* Term Examinations.

June 12. *Thursday.* Hicks Prize Debate: Manning Hall, 8.00 P. M.

June 13. *Friday.* Class Day.

June 15. *Sunday.* Baccalaureate Sermon: First Baptist Meeting House, 4.00 P. M.

June 16. *Monday.* Ivy Day: Pembroke Hall.

June 16. *Monday.* Sophomore Prize Declamation: First Baptist Meeting House, 8.00 P. M.

June 17. *Tuesday.* Annual Meeting of the Phi Beta Kappa Society: 5 University Hall, 9.30 A. M.

June 17. *Tuesday.* Annual Meeting of the Alumni, Manning Hall, 4.00 P. M.

June 18. *Wednesday.* ONE HUNDRED AND THIRTY-FOURTH ANNUAL COMMENCEMENT (third Wednesday in June): First Baptist Meeting House, 10.00 A. M.

June 19. *Thursday.* Meeting of the Corporation.

June 19-21. *Thursday, Friday and Saturday.* Examinations for admission to the Freshman Class and to Advanced Standing.

SUMMER VACATION.

September 3 *Wednesday.* Annual Meeting of the Corporation (first Wednesday in September).

September 13, 15, 16. *Saturday, Monday and Tuesday.* Examinations for admission to the Freshman Class and to Advanced Standing.

September 16. *Tuesday.* Last day for registration of Undergraduate Students.

September 17. *Wednesday.* ACADEMIC YEAR BEGINS: 8.40 A. M.

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Dean

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1 University Hall: 12 M. to 1 P. M.

Registrar

FREDERICK TAFT GUILD, A. M.

2 University Hall: 8:30 A. M. to 1 P. M., 2:30 to 4 P. M.

Dean of the Women's College

ANNIE CROSBY EMERY, Ph. D.

Pembroke Hall, Meeting Street: 11 A. M. to 12 M.

Librarian

HARRY LYMAN KOOPMAN, A. M.

Library: 9 to 10 A. M., 3 to 4 P. M.

Chairman of Committee on Graduate Students

CARL BARUS, Ph. D.

6 Sayles Hall: 3 to 3:30 P. M., Tuesdays and Thursdays,
11 A. M. to 12 M., Saturdays.

Chairman of Committee on Absences

JAMES QUAYLE DEALEY, Ph. D.

6 University Hall: 1:05 to 1:45 P. M., Tuesdays and Thursdays.

Steward

ARCHIBALD GRANT DELANEY

3 University Hall: 12 M. to 1 P. M.

HISTORY OF BROWN UNIVERSITY

The first suggestion of establishing a college in Rhode Island is connected with the residence of Dean (afterwards Bishop) Berkeley at Newport in 1729–31. But his cherished scheme of planting a Christian college in America failed to enlist royal favor, and the colony was compelled to wait a generation for the founding of an institution of higher learning within its borders. In 1762 the Philadelphia Baptist Association, in view of the disabilities attaching to Baptist students in most of the existing American colleges, welcomed a proposal offered by the Rev. Morgan Edwards, a clergyman of Welsh birth, at that time pastor of the First Baptist Church in Philadelphia, for the founding of a college in Rhode Island that should be under the control of their own denomination. James Manning, a graduate of Princeton in the same year, was appointed by the Association as its agent to establish "a seminary of polite literature subject to the government of the Baptists."

In deciding upon the location of the new college, a canvass of the colonies had shown the advantages to be clearly on the side of Rhode Island, which recognized absolute religious liberty, and was, moreover, a Baptist colony in origin and popular attachment. There was no rival institution in the field; and the important cities of Newport and Providence, the former being the second city in New England, furnished an encouraging prospect of future support. Accordingly, in 1764, the friends of the movement obtained from the General Assembly a charter for the "College or University in the English colony of Rhode Island and Providence Plantations in New England, in America; the Trustees and Fellows, at any time hereafter, giving such more particular name to the College, in honor of the greatest and most distinguished benefactor, or otherwise, as they shall think proper."

The provisions of the Charter which fix the denominational character of the college read as follows: . . . "the Corporation thereof shall consist of two branches, viz.: That of the Trustees,

and that of the Fellowship, with distinct, separate and respective powers; and that the number of the Trustees shall and may be thirty-six; of which twenty-two shall forever be elected of the denomination called Baptists, or Antipedobaptists; five shall forever be elected of the denomination called Friends or Quakers; four shall forever be elected of the denomination called Congregationalists, and five shall forever be elected of the denomination called Episcopalians"; . . . "the number of the Fellows, inclusive of the President (who shall always be a Fellow) shall and may be twelve; of which eight shall be forever elected of the denomination called Baptists, or Antipedobaptists; and the rest indifferently of any or all denominations", . . . "to whom the President, when hereafter elected, (who shall forever be of the denomination called Baptist, or Antipedobaptist,) shall be joined."

Though the President must be a Baptist, the three important positions of Chancellor, Secretary, and Treasurer, are without religious limitation. The Corporation is self-perpetuating; but vacancies in the Board of Trustees have been filled since 1874 from nominations made by the alumni. It is, however, in the following paragraph that the liberal attitude of the college on sectarian questions is most clearly set forth:

"Furthermore, it is hereby enacted and declared: That into this liberal and catholic institution shall never be admitted any religious tests; But, on the contrary, all the members hereof shall forever enjoy full, free, absolute and uninterrupted liberty of conscience; And that the places of Professors, Tutors, and all other officers, the President alone excepted, shall be free and open for all denominations of Protestants; And that youths of all religious denominations shall and may be freely admitted to the equal advantages, emoluments and honors of the College or University; and shall receive a like fair, generous and equal treatment, during their residence therein, they conducting themselves peaceably, and conforming to the laws and statutes thereof: And that the public teaching shall, in general, respect the sciences; and that the sectarian differences of opinions shall not make any part of the public and classical instruction; Although all religious controversies may be studied freely, examined and explained by the President,

Professors and Tutors, in a personal, separate and distinct manner, to the youth of any or each denomination; And above all, a constant regard be paid to, and effectual care taken of, the morals of the College."

As the college was at the beginning without funds, and only a scanty return could be expected from students' fees, it was necessary that the president should support himself and his family by some other means. The founding of a Baptist church in Warren, and the call of Mr. Manning to its pastorate, offered a solution of the difficulty; and hither Mr. Manning brought his family in the spring of 1764. His first act towards the establishment of a college was the opening of a Latin school. This preparatory school was afterwards removed with the college to Providence, where it has flourished for more than a century and a quarter, under the name of the University Grammar School. At the second meeting of the corporation, September 4th, 1765, Mr. Manning was formally appointed "president of the college, professor of languages and other branches of learning"; the first student having been matriculated the day before. In the following year David Howell was appointed tutor, but no other addition was made to the faculty until 1774. In 1769 the first class of seven members was graduated at Warren. This town had not been generally regarded as the permanent seat of the college, and the necessity which now arose of erecting a college building compelled a final choice of location. After a spirited contest for the honor among the leading towns of the colony, the choice fell upon Providence. Here the foundation of the first college building, the present University Hall, which was modeled after Nassau Hall at Princeton, was laid in 1770. In the same year a house for the president was built on the grounds, the two buildings costing about $10,000.

In 1771 President Manning was called to the pastorate of the First Baptist Church in Providence; and he served the church in this capacity in addition to his college duties, from that date until the close of his life. In December, 1776, the work of the college was interrupted by the Revolutionary war, and it was not resumed until the fall of 1782; University Hall meanwhile being used as a barrack and hospital for the combined American and French

troops. Upon the reorganization of the college important additions were made to the library and the philosophical apparatus. In 1791, after twenty-nine years of service as founder and director of Rhode Island College, President Manning died. He had seen the college become firmly established, with a graduate roll of 149; the last graduating class, that of 1790, having numbered 22. At the time of his death the faculty consisted of the president, four professors and two tutors. The discipline during this period had been strict and paternal, the officers of instruction living under the same roof with the students, and making frequent visits of inspection to their rooms. President Manning at first taught all the branches studied, but was designated professor of languages, afterwards of moral philosophy. David Howell, his assistant, taught mathematics and natural philosophy, as also French, German and Hebrew. He was appointed professor of natural philosophy in 1769, and of law in 1790, but never taught the latter subject. A professor of natural history was appointed in 1784; and a professor of mathematics and astronomy in 1786.

The first college funds, amounting to $4500, were collected in England and Ireland by the Rev. Morgan Edwards in 1767-68. In the next two years the Rev. Hezekiah Smith obtained subscriptions amounting to $2500 in South Carolina and Georgia. The former contribution was made a permanent fund; the latter was expended in the construction of the college buildings. Further gifts were received for a time from the Philadelphia, Charleston, and Warren Baptist Associations, but they appear to have ceased with the outbreak of the Revolutionary war.

The successor of President Manning was the Rev. Jonathan Maxcy, a graduate in the class of 1787, who had been professor of divinity 1791–92. He served from 1792 until 1802, when he resigned his office to accept the presidency of Union College. During the last year of his administration at Rhode Island College a class numbering 28 was graduated.

The third president of the college, the Rev. Asa Messer, a graduate in the class of 1790, who had served as professor of learned languages 1796–99, and of mathematics and natural philosophy 1799–1802, directed the affairs of the institution from

the last-named year until his resignation in 1826. During his presidency of twenty-four years the college was expanded in every direction. A class numbering 48 was graduated in 1825, the faculty in that year consisting of nine professors, besides the president, and two tutors. A medical school was established, which existed from 1811 until 1828, and sent out 87 graduates. The special professorships created for the medical school were materia medica and botany, 1811; anatomy and surgery, 1811; chemistry, 1811; theory and practice of medicine, 1815. A professor of moral philosophy and metaphysics was appointed in 1811; one of oratory and belles-lettres in 1815, and one of the Latin and Greek languages and literature in 1825.

In 1792 Nicholas Brown, a graduate in the class of 1786, gave $500 with which to purchase law books for the Library. In 1804 he endowed a professorship of oratory and belles-lettres. In the same year the name of the institution was changed in his honor to Brown University. In 1810 the University Grammar School building, recently known as Lyon Hall, was erected at a cost of $1450. In 1822 Mr. Brown built Hope College at his own expense, the estimated cost being $20,000. In 1826 the permanent funds of the University amounted to $31,300.

The fourth president, the Rev. Francis Wayland, entered upon his official duties in 1827. He at once raised the standard of scholarship, and gradually increased the scope of the instruction. He finally accomplished an entire reorganization of the University on the basis of the elective principle. In accordance with this "New System" the bachelor's degree was given for a three year's course, and the master's degree for a course of four years. Graduate study and special study were both encouraged; and the sciences, in accordance with the spirit of the Charter, were made prominent in the curriculum. This system was not put into operation until 1850, and was fully in force only until his retirement five years later. The increase in the scope of the curriculum during President Wayland's administration is clearly shown in the following list of subjects to which professors or instructors were assigned at the dates annexed: chemistry, physiology and geology, 1834; moral and intellectual philosophy, 1834; belles-lettres,

1835; rhetoric, 1837; Hebrew literature, 1838; modern languages and literature, 1843; Greek, 1843; Latin, 1844; French, 1844; history and political economy, 1850; natural philosophy and civil engineering, 1850; chemistry applied to the arts, 1850; rhetoric and English literature, 1851; didactics (i. e., pedagogy), 1851; analytical chemistry, 1854.

The influence of President Wayland was felt not so much in the increase of the number of students, as in the higher intellectual and moral tone of the institution. Discipline, which had grown lax, was strictly enforced. During his administration the college grounds were laid out, and the library was placed on a sound financial basis. The permanent funds were increased to $200,000, and three important buildings were erected: Manning Hall, given by Nicholas Brown in 1834, built at a cost of $18,500; Rhode Island Hall, erected in 1840, costing $14,000, which was raised in subscriptions by Rhode Island men and women; and the President's House, the gift of Nicholas Brown, built in 1840 at a cost of $7000. The last named building has been used since 1899 as the refectory. The total value of Mr. Brown's various gifts amounted to not less than $160,000. Mr. Brown also served the University in a most efficient way as treasurer 1796–1825. He was trustee 1791–1825, and fellow from 1825 until his death in 1841. Dr. Wayland resigned the presidency in 1855, having won for the University, by his fame as a writer and thinker and educational reformer, an enviable distinction both at home and abroad.

The fifth president of the University, the Rev. Barnas Sears, a graduate in the class of 1825, held office from 1855 until 1867, when he resigned the presidency to become general agent of the Peabody Education Fund. No new subject was added to the curriculum, except physical geography, which appears for the first time in 1864. Although the term of President Sears covered the financial crisis of 1857 and the Civil war, a notable increase was made both in the funds and in the number of students. A system of scholarships was established, and over $220,000 was collected in subscriptions. The Chemical Laboratory was built in 1862 at a cost of $15,000. In the last class that entered under President

Sears seventy-three students were enrolled. Three hundred graduates and students of Brown entered the Union service, 1861–65. Of these twenty-one laid down their lives.

The Rev. Alexis Caswell, a graduate in the class of 1822, was the sixth president of the University, his term covering the years 1868–72. Under his administration the department of physics was organized, and the endowment was increased from $365,000 to a sum exceeding $550,000. The Jenks museum of zoölogy was founded in 1871. Upon the resignation of Dr. Caswell, the Rev. Ezekiel Gilman Robinson, a graduate in the class of 1838, was chosen his successor. His presidency extended over the seventeen years, 1872–1889. This period was marked not only by an increase in the student attendance, the class of 1889 having been graduated with a membership of fifty-six, but also by a high degree of intellectual and moral enthusiasm. The following subjects were added to the curriculum or were emphasized by the appointment of separate instructors: special branches of agriculture, 1872; zoölogy and agriculture, 1874; physiology, 1874; botany, 1877; zoölogy and geology, 1878; elocution, 1880; astronomy, 1884; logic, 1886; history, 1888; political economy, 1888.

The funds were increased to $980,000, and important additions were made to the buildings. Rhode Island Hall was enlarged in 1875 at a cost of $8800. The Library, the gift of John Carter Brown, of the class of 1816, was built in 1878, at a cost of $120,000. Slater Hall, given by Horatio Nelson Slater, and costing over $30,000, was built in 1879. Sayles Hall, the gift of William Francis Sayles, a memorial to his son, William Clark Sayles, a member of the class of 1878, was built in 1881, at an expense of $100,000. University Hall, which had been renovated in 1850, was again renovated in 1883 at an outlay of $50,000. Dr. Robinson recognized the fact that a great opportunity for a university existed at Brown, and continually strove to enlarge the scope of the institution. New courses were created, and a beginning was made in systematic graduate study. Dr. Robinson resigned the presidency in 1889.

The eighth president of the University was the Rev. Elisha Benjamin Andrews, a graduate in the class of 1870. With his

accession in 1889 the modern life of the University properly begins. In the year preceding his presidency three graduate students were enrolled; in the last year of his term of service the graduate students numbered 101; the total number of students for the same years being, respectively, 268 and 860. The officers of instruction for the corresponding years increased in number from 22 to 73. All the old departments were expanded, and the number of departments was increased from 16 in 1889–90 to 25 in 1897–98. The department of philosophy was enlarged by the addition of psychology and pedagogy. American and European history were assigned to separate professors, political economy was made a department, and the department of social and political science and law was added. The department of fine arts was created, including the history of art, and music. The new department of Indo-European philology was introduced. The departments of Greek and Roman literature and history, English literature and language, and Germanic and Romance languages and literatures were reorganized and extended. Rhetoric and oratory were made an independent department. The new department of Biblical literature and history was formed, including the Semitic languages and New Testament Greek; while a course in the philosophy of religion was offered. The departments of mathematics, mechanical engineering, astronomy, physics (including electrical engineering), chemistry, zoölogy, geology and anthropology, and botany were extended in scope and thoroughness. New departments were formed for the subjects of mechanical drawing, civil engineering, comparative anatomy, military science and tactics, and bibliography. The museum of fine arts was founded in 1889, and that of anthropology in 1891.

The funds were increased to $1,125,685, and important additions were made to the buildings and grounds. Hope College was renovated in 1891 at a cost of $35,000. Wilson Hall, the bequest of George Francis Wilson, was built in 1891, costing $100,000. The Ladd Observatory, the gift of the Hon. Herbert W. Ladd, was built in the same year at an approximate cost of $30,000. In the same year also the Lyman gymnasium, named in honor of its principal donor, was built at a cost of $70,000. In 1895 Maxcy Hall was built, its cost being $50,000. Pembroke Hall, costing

$38,000, was built in 1897. Three buildings, known as the Howell, Messer, and Brown Street Houses, were also secured for dormitory purposes. The old playground of the University, now known as Lincoln Field, was graded and fitted up for ball games and other athletic purposes in 1889. In 1898 a new athletic field was laid out on Camp Street, a mile from the University.

In 1891 the Grand Army of the Republic Fellowship Fund of $10,000 was given to the University by the Rhode Island department of that organization. In 1894 the University returned to the state of Rhode Island the scholarship fund of $50,000 obtained from land-scrip received in 1863, due under act of Congress of July 2, 1862. At the same time the state paid the University $40,000 in requital of its claim upon the Morrill fund, due to the state under act of Congress of August 30, 1890.

The Women's College was founded in October, 1891. At first only the privilege of University examinations and certificates of proficiency was granted. In June, 1892, all the College and University degrees and the graduate courses were opened to women. In November, 1897, the institution was accepted by the Corporation, and officially designated the Women's College in Brown University. The immediate charge of this department, subject to the direction of the president, was placed in the hands of the dean of the Women's College. All instruction was required to be given by members of the University faculty. Pembroke Hall, which was built by the Rhode Island Society for the Collegiate Education of Women, was formally transferred to the University in October, 1897, and was accepted as the recitation hall of the Women's College.

Accompanying the material progress that marked the administration of President Andrews there was a steady and gratifying advance in moral and intellectual earnestness. In 1898 Dr. Andrews resigned the presidency to become Superintendent of Schools of Chicago. Dr. Benjamin Franklin Clarke, the senior member of the faculty, who had served as president *pro tempore* during the absence of Dr. Andrews in Europe in 1896–97, was appointed president *ad interim*, and served during the academic year 1898–99.

The ninth President of the University is the Rev. William Herbert Perry Faunce, a graduate in the class of 1880, who

entered upon his official duties on Commencement Day, 1899. At Commencement, 1900, announcement was made of an addition of over a million dollars to the endowment of the University. To this was added a year later a second million, including the endowment of the John Carter Brown Library. In 1900 the Slater Memorial was presented by Mrs. Horatio N. Slater as a home for the students of the Women's College. In 1901 the Van Wickle gates were formally opened, and the corner stone of the Van Wickle Administration Building was laid. In the same year the President's House was erected on the corner of Hope and Manning Streets.

The Library of the University dates from 1767, when the Rev. Morgan Edwards collected books for it in England. The collection was at first kept in University Hall. It was removed to Manning Hall upon the completion of that building in 1835. In 1842 it contained ten thousand volumes, and in 1878, the date of its transference to the present building, its volumes numbered forty-eight thousand. The present number, including the books in the twelve department libraries, but not including the John Carter Brown Library, is over one hundred and ten thousand volumes. Upon the removal of the College to Providence in 1770 the professors and students enjoyed the hospitality of the Providence Library Company, now the Athenæum, in extension of the scanty resources of the College Library. The Library of the Rhode Island Historical Society and the State Law Library have in later years been most valuable adjuncts to the University Library, while, since the opening of the Providence Public Library in 1878, members of the University have made constant use of its choice and readily available resources. The Library Fund, established under President Wayland, has been supplemented by eight special funds, devoted to the departments of European History, United States History, Mediæval and Church History, Botany, the Arts of Design, Biology, the Classical Languages and Literatures, and English. Gifts of one thousand dollars each were made to the Library in recent years by the classes of 1872, 1884, 1885, 1886, 1887 and 1888, and were of material assistance towards enabling the Library to meet the ever-growing demands made upon it by the work of the University. In 1884, by the will of the Hon. Henry B. Anthony, the Library came

into possession of the Harris Collection of American Poetry, numbering 5000 volumes. In 1901 there was presented to the University the John Carter Brown Library, unquestionably the most complete collection in the world on the History of the two Americas down to the end of the eighteenth century. The books were accompanied by a gift of $500,000 as an endowment, and $150,000 for the erection of a building for their accommodation.

At the close of the 133d Commencement of the University in 1901, there were enrolled the names of 5434 graduates, 5241 men and 193 women. Of this number, 4721 had received the College or University first degree; 55, exclusive of the foregoing, had received advanced degrees; 69, not previously reckoned, had received the degree of Doctor of Medicine, while 589 others had received honorary degrees. Of the entire number, 2681, or 49 per cent., are living.

ADMISSION TO THE UNIVERSITY

ADMISSION TO COURSES LEADING TO DEGREES

ADMISSION TO THE FRESHMAN CLASS

The regular examinations for admission to the FRESHMAN CLASS take place in Wilson Hall on Thursday, Friday, Saturday and Monday, June 19, 20, 21 and 23, 1902, beginning at 8 o'clock A. M. on Thursday. Candidates must present themselves promptly at the appointed times.

The order of the examinations will be:

THURSDAY, JUNE 19

Algebra, Wilson Hall 27, 8 A. M. to 10 A. M.
Plane Geometry, Wilson Hall 27, 10 A. M. to 12 M.
Elementary French, Wilson Hall 2, 1 P. M. to 3 P. M.
Advanced French, Wilson Hall 2, 4 P. M. to 6 P. M.

FRIDAY, JUNE 20

Elementary Greek, Wilson Hall 2, 8 A. M. to 10 A. M.
Advanced Greek, Wilson Hall 2, 10 A. M. to 11.30 A. M.
Latin, Wilson Hall 25, 12.30 P. M. to 4 P. M.
English and American History, Wilson Hall 27, 4 P. M. to 6 P. M.

SATURDAY, JUNE 21

English, Wilson Hall 26, 8 A. M. to 10 A. M.
Chemistry, Wilson Hall 2, 11 A. M. to 1 P. M.
Solid Geometry, Wilson Hall 27, 2 P. M. to 4 P. M.
Plane Trigonometry, Wilson Hall 27, 4 P. M. to 6 P. M.

MONDAY, JUNE 23

Elementary German, Wilson Hall 2, 8 A. M. to 10 A. M.
Advanced German, Wilson Hall 2, 10 A. M. to 12 M.
Ancient History, Wilson Hall 25, 1 P. M. to 3 P. M.
Physics, Wilson Hall 1, 4 P. M. to 6 P. M.

A second examination in each of the above branches will be offered on Friday, Saturday, Monday and Tuesday, September 12, 13, 15 and 16, 1902, as follows:

FRIDAY, SEPTEMBER 12

Algebra, Wilson Hall 27, 8 A. M. to 10 A. M.
Geometry, Wilson Hall 27, 10 A. M. to 12 M.
Elementary French, Wilson Hall 2, 1 P. M. to 3 P. M.
Advanced French, Wilson Hall 2, 4 P. M. to 6 P. M.

SATURDAY, SEPTEMBER 13

Elementary Greek, Wilson Hall 2, 8 A. M. to 10 A. M.
Advanced Greek, Wilson Hall 2, 10 A. M. to 11.30 A. M.
Latin, Wilson Hall 25, 12.30 P. M. to 4 P. M.
English and American History, Wilson Hall 27, 4 P. M. to 6 P. M.

MONDAY, SEPTEMBER 15

English, Wilson Hall 26, 8 A. M. to 10 A. M.
Chemistry, Wilson Hall 2, 11 A. M. to 1 P. M.
Solid Geometry, Wilson Hall 27, 2 P. M. to 4 P. M.
Plane Trigonometry, Wilson Hall 27, 4 P. M. to 6 P. M.

TUESDAY, SEPTEMBER 16

Elementary German, Wilson Hall 2, 8 A. M. to 10 A. M.
Advanced German, Wilson Hall 2, 10 A. M. to 12 M.
Ancient History, Wilson Hall 25, 1 P. M. to 3 P. M.
Physics, Wilson Hall 1, 4 P. M. to 6 P. M.

If desired, examinations will be appointed in cities remote from Providence. Correspondence on this subject should be addressed to the Registrar of the University, and sent at least four weeks before the time of examinations.

Qualified members of the Freshman Class are matriculated at the beginning of the second term. Till matriculation, all candidates for degrees, however admitted, are regarded as on probation.

Examinations are required in all cases in Advanced French, Advanced German, English and American History, Solid Geometry and Plane Trigonometry, Physics, Chemistry, Physiography and Astronomy. In other subjects students are admitted from certain approved schools upon the recommendation and certification of the principal.

In order to obtain the privilege of certification the principal of the school should make application to the Dean of the University, and should furnish satisfactory evidence that the course of study in the school meets the requirements for admission.

Blank forms for certification may be obtained from the Registrar.

When a student has attended more than one school, a letter of recommendation from the principal of the institution last attended should accompany the certificate.

Application for the privilege of certification should be made, if possible, before May 1st, and certificates should be sent to the Registrar by July 1st.

ADMISSION TO ADVANCED STANDING

Candidates for admission to advanced standing, unless coming from institutions of collegiate rank, are examined in the studies required for entrance to Brown University (unless admitted on certificate, see page 33) and in those already pursued by the class which they desire to enter.

Candidates coming from institutions of collegiate rank will receive due credit for their previous work, upon presentation of an official certificate of standing.

Every candidate must present a letter of honorable dismissal from the institution last attended.

Formal application for admission should be made to the Dean of the University, and should be sent, if possible, before August 1st.

The examinations for 1902 will be held on Monday and Tuesday, September 15 and 16. Candidates must report at the Registrar's Office at 9 A. M. on Monday, September 15.

ADMISSION TO SPECIAL COURSES

The various courses of study in the University, both graduate and undergraduate, are open to mature men of good character who have had the training requisite to pursue them with profit. This privilege is intended for those who wish to take advantage of the instruction offered in special branches without pursuing the full course of study required of candidates for a degree; but all students who can do so are advised to matriculate for a degree.

Students who withdraw from a preparatory school before completing its course of study are not admitted as special students unless the principal of the school cordially approves their admission. Every student must present testimonials of character and ability from the last school or college he has attended, unless a long interval has elapsed since he was connected with such institution.

A special student must satisfy the officers of instruction by examination or otherwise of his fitness to take the courses desired. He is subject to the same regulations as to attendance and examinations as a candidate for a degree, and must take fifteen hours a week of class room work, unless for satisfactory reasons he receives a smaller assignment. On

leaving the University a special student who desires a formal certificate of his attainments may receive it. No one will be allowed to abuse the privilege here offered by making it a means of securing a merely nominal connection with the University.

GRADUATE DEGREES

MASTER OF ARTS

To become enrolled for the degree of Master of Arts:

1. Every candidate must have obtained the degree of Bachelor of Arts, of Philosophy, of Science or of Letters.

2. Every candidate must file an application with the Secretary of the Committee on Graduate Students, naming the departments he wishes to enter. The application must be made on a blank provided by the Secretary of the Committee or by the Registrar of the University, and must be signed by the heads of the departments in which the studies come. If not a graduate of Brown University, the candidate will be required to submit to the Secretary of the Committee, with his application, his diploma or other official evidence of having received a first academic degree, and also a marked catalogue or detailed statement showing the academic courses he has pursued.

3. The applications for resident candidates must be filed on or before the first day of the academic year, those of non-resident candidates on or before October first.

To obtain the degree of Master of Arts:

1. Candidates must complete a thorough course, approved by the Faculty, of liberal graduate study, sufficient in amount to constitute a fifth year of college work, and must pass satisfactory examinations thereon. Where graduate students pursue courses primarily designed for undergraduates, a higher degree of scholarship will be required than in the case of undergraduates. By continuous residence at the University, candidates fulfilling the above conditions may receive the degree in one year; in cases of partial or entire non-residence the degree will not be conferred until after two years of graduate study. Candidates registered as non-resident who yet desire some instruction at the University may receive such. All candidates who receive instruction at the University are required to register at the Registrar's office for the course or courses desired.

2. Candidates for the degree of Master of Arts who have studied in residence must have their final examinations certified by their officers of instruction to the Committee on Graduate Students before the second Wednesday in June.

3. All non-resident candidates for the degree of Master of Arts are examined publicly before the first of June by a Committee of the Faculty. The examinations are held only when notification of the intention to appear for examination is given on or before April first of the year in which the candidate desires to obtain his degree. In the case of courses which the candidate pursues in residence, the certificates mentioned in the preceding paragraph are accepted in lieu of public examination.

For the University dues connected with graduate study, see on a later page under "Expenses."

DOCTOR OF PHILOSOPHY

To become enrolled for the degree of Doctor of Philosophy:

1. Every candidate must have obtained the degree of Bachelor of Arts, of Philosophy, of Science or of Letters

2. Every candidate must file an application with the Secretary of the Committee on Graduate Students, naming the departments he wishes to enter. The application must be made on a blank provided by the Secretary of the Committee or by the Registrar of the University, and must be signed by the heads of the departments in which his studies come. If not a graduate of Brown University, the candidate will be required to submit to the Secretary of the Committee, with his application, his diploma or other official evidence of having received a first academic degree, and also a marked catalogue or detailed statement showing the academic courses he has pursued.

3. The applications of candidates for the degree of Doctor of Philosophy must be filed on or before the first day of the academic year.

To obtain the degree of Doctor of Philosophy:

1. Candidates must reside at the University at least two years after enrollment, pursuing a systematic course of study approved by the Faculty and the Board of Fellows, and sustaining satisfactory examinations on the same, concluding their course with a thesis giving evidence of high scholarship and of special excellence in the studies pursued.

2. For the degree of Doctor of Philosophy two courses at least are required, a major and a minor. To receive this degree candidates must possess further a good knowledge of Latin, French and German, unless for special reasons they are excused in respect to one or more of these languages. To test the candidate's proficiency in the use of these languages for the purpose of their special studies, they must be examined before the first day of December in the last year of their candidacy.

3. A year of work for the degree of Master of Arts, unless performed in residence, cannot be counted as a year of work for the higher degree; and it is not necessarily so counted even when performed in residence.

4. All candidates for the degree of Doctor of Philosophy are examined publicly before the first of June by a Committee of the Faculty. The examinations are held only when notification of the intention to appear for examination is given on or before April first of the year in which the candidate desires to obtain his degree. The thesis of a candidate for the degree of Doctor of Philosophy must be presented to the Faculty, in typewritten copy or print, before the first of April in that year. The approval of such thesis by the Faculty is essential to the attainment of the degree.

For the University dues connected with graduate study, see on a later page under "Expenses."

SPECIAL GRADUATE STUDENTS

Students who desire to pursue graduate studies without being candidates for an advanced degree, are admitted on fulfillment of the conditions specified in paragraph 2 under enrollment on page 35.

CHANGES IN DEGREES, IN REQUIREMENTS FOR ADMISSION AND IN THE CURRICULUM

CHANGES IN DEGREES

The degrees of Civil Engineer and Mechanical Engineer will not be given after 1905, but in their place will be given the degree of Bachelor of Science, the diploma stating whether the degree has been in Civil or in Mechanical Engineering.

There has been added a course in Electrical Engineering which will lead to the degree of Bachelor of Science in Electrical Engineering.

The present course leading to the degree of Bachelor of Science has been discontinued except for students now in college.

CHANGES IN THE REQUIREMENTS FOR ADMISSION

I.

CHANGES WHICH AFFECT CANDIDATES FOR THE DEGREE OF BACHELOR OF ARTS

These changes go into effect in June, 1902

1. The requirement in ancient languages is reduced, only one ancient language being required. This language may be either Latin or Greek.

2. The present requirement in Greek is divided into two parts, elementary Greek and advanced Greek, the former of which may be presented without the latter.

3. Students who omit one ancient language or advanced Greek must present substitutes chosen from the following list. Admission in these subjects (except elementary French and German), will be by examination only.

French
German
English and American History
Solid and Spherical Geometry and Plane Trigonometry
Physics
Chemistry

4. The requirements in Greek and Roman history have not been changed but these two subjects have been combined in a single subject, Ancient History, which must be presented by all candidates without regard to the number of ancient languages presented.

It will be seen that the changes involve a broadening but not an increase in the requirements for admission, and that *the subjects which satisfied the old requirements will also satisfy the new requirements.*

For a detailed statement of requirements, see pages 41, 44-51.

II.

CHANGES WHICH AFFECT CANDIDATES FOR THE DEGREE OF BACHELOR OF PHILOSOPHY

These changes go into effect in June, 1903. The requirements for admission for candidates for this degree have been materially increased, and are substantially the equivalent of the requirements for admission for candidates for the degree of Bachelor of Arts. The additional work required may be done in the following subjects. In all except Latin, Greek, Elementary French and German and Ancient History, admission will be by examination only.

Latin
Greek
French
German
Physics
Chemistry
Solid and Spherical Geometry and Plane Trigonometry
Physiography
Astronomy
History

For a detailed statement of requirements, see pages 42-51.

III.

CHANGES WHICH AFFECT CANDIDATES FOR THE DEGREE OF BACHELOR OF SCIENCE IN CIVIL ENGINEERING, MECHANICAL ENGINEERING OR ELECTRICAL ENGINEERING

These changes go into effect in June, 1902

Solid and Spherical Geometry and Free Hand Drawing have been added to the present requirements.

In place of one modern language now required, two of the following subjects must be presented:

French
German
Chemistry

For a detailed statement of requirements, see pages 43-51.

CHANGES IN THE CURRICULUM

I.

CHANGES WHICH AFFECT CANDIDATES FOR THE DEGREE OF BACHELOR OF ARTS

The following changes will affect students entering in June, 1902, and thereafter. Students who present only one ancient language for admission, and who do not take elementary Greek in college, must pursue for two years after entrance the language presented for admission.

Greek may be begun in college.

Rhetoric must be taken in the Freshman year.

The present requirement in Philosophy can be met only by a course of three hours a week for a year.

In addition to the subjects now required, courses in the following subjects, each three hours a week for a year, must be taken at some time during the course:

English Literature
Physical or Natural Science
Political Science, Social Science and Political Economy

For a detailed statement of requirements, see pages 57-59.

II.

CHANGES WHICH AFFECT CANDIDATES FOR THE DEGREE OF BACHELOR OF SCIENCE IN CIVIL ENGINEERING, MECHANICAL ENGINEERING OR ELECTRICAL ENGINEERING

Changes have been made to conform with the changes in requirements for admission.

For a detailed statement of requirements, see pages 64-68.

REQUIREMENTS FOR ADMISSION

FOR CANDIDATES FOR THE DEGREE OF BACHELOR OF ARTS

GROUP I.

English..... For amount required see V, pages 45, 46
Ancient History.... " " " " XIV, 1, page 49
Algebra ..... " " " " I, " 44
Geometry..... " " " " II, " 44

GROUP II.

(Figures indicate the value, in points, assigned to each subject)

Ancient Language

Latin (elementary and advanced) 3
For amount required see VIII, IX, pages 46, 47
Greek (elementary)..2 " " " " VI, page 46
Greek (advanced)....1 " " " " VII, " 46

Modern Language

French (elementary) 1 " " " " X, " 47
French (advanced)...1 " " " " XI, " 48
German (elementary) 1 " " " " XII, " 48
German (advanced)..1 " " " " XIII, " 49

GROUP III.

English and American History
For amount required see XIV, 2, page 49
Solid Geometry and Plane Trigonometry
For amount required see III, IV, " 45
Physics..... " " " " XV, " 50
Chemistry ..... " " " " XVI, " 50

GROUP III.

English and American History
For amount required see XIV, 2, page
Solid Geometry and Plane Trigonometry
For amount required see III, IV, "
Physics..... " " " " XV, "
Chemistry ..... " " " " XVI, "

In place of one modern language now required, two of the following subjects must be presented:

French
German
Chemistry

For a detailed statement of requirements, see pages 43-51.

CHANGES WHICH AFFECT CANDIDATES FOR THE DEGREE OF BACHELOR OF SCIENCE IN CIVIL ENGINEERING, MECHANICAL ENGINEERING OR ELECTRICAL ENGINEERING

Changes have been made to conform with the changes in requirements for admission.

For a detailed statement of requirements, see pages 64-68.

REQUIREMENTS FOR ADMISSION

FOR CANDIDATES FOR THE DEGREE OF BACHELOR OF ARTS

In Group I all subjects must be presented.

In Group II subjects aggregating 6 points, including at least 3 points in ancient language and at least 1 point in modern language, must be presented.

In Group III one subject may be presented, but students who present no subject in Group III must present subjects aggregating 7 points in Group II.

GROUP I.

English.....	For amount required see				V,	page
Ancient History.....	"	"	"	"	XIV, 1,	"
Algebra	"	"	"	"	I,	"
Geometry.....	"	"	"	"	II,	"

GROUP II.

(Figures indicate the value, in points, assigned to each subject)

Ancient Language

Latin (elementary and advanced) 3

	For amount required see				VIII, IX,	page
Greek (elementary)..2	"	"	"	"	VI,	"
Greek (advanced)....1	"	"	"	"	VII,	"

Modern Language

French (elementary) 1	"	"	"	"	X,	"
French (advanced)..1	"	"	"	"	XI,	"
German(elementary)1	"	"	"	"	XII,	"
German (advanced)..1	"	"	"	"	XIII,	"

GROUP III.

English and American History

For amount required see XIV, 2, page

Solid Geometry and Plane Trigonometry

	For amount required see				III, IV,	"
Physics.....	"	"	"	"	XV,	"
Chemistry	"	"	"	"	XVI,	"

FOR CANDIDATES FOR THE DEGREE OF BACHELOR OF PHILOSOPHY

FOR STUDENTS ENTERING IN 1902

Algebra	For amount required see				I,	page 44.
Geometry	"	"	"	"	II,	" 44.
History	"	"	"	"	XIV, 1 or 2,	" 49.
English	"	"	"	"	V,	pages 45, 46.
French or German	"	"	"	"	X or XII,	" 47–49.
Latin	"	"	"	"	VIII and IX,	" 46, 47.

SUBSTITUTES FOR LATIN

Instead of the requirement in Latin one of the following may be offered by candidates who have pursued a course of study equivalent to that offered in a good high school or academy for graduation.

1. *Minor Requirement in Latin.* Five books of Cæsar or its equivalent in Cicero, Vergil or other standard authors. Students offering this smaller amount of Latin cannot pursue any Latin courses in college.

2. *Greek.* The same requirement as for candidates for the degree of Bachelor of Arts, as stated on page 41.

3. *German.* The same requirement as for candidates for the degree of Bachelor of Arts, as stated on page 41, *if French also is presented.*

4. *French.* The same requirement as for candidates for the degree of Bachelor of Arts, as stated on page 41, *if German also is presented.*

FOR STUDENTS ENTERING IN 1903 AND AFTER

Required subjects:

English	For amount required see				V,	pages 45, 46.
Algebra	"	"	"	"	I,	page 44.
Geometry	"	"	"	"	II,	" 44.
Ancient History	"	"	"	"	XIV, 1,	page 49.
or						
English and American History	For amount required see XIV, 2, " 49.					

In addition to the subjects required, subjects aggregating 7 points must be presented from the following groups.

In Group I, two or more languages are required, aggregating from 3 to 7 points. In Group II, free selection is allowed to complete the 7 points.

GROUP I.

Latin (elementary)	2	For amount required see				VIII,	pages	46, 47.
Latin (advanced)	1	"	"	"	"	IX,	page	47.
Greek (elementary)	2	"	"	"	"	VI,	"	46.
Greek (advanced)	1	"	"	"	"	VII,	"	46.
French (elementary)	1	"	"	"	"	X,	"	47.
French (advanced)	1	"	"	"	"	XI,	"	48.
German (elementary)	1	"	"	"	"	XII,	"	48.
German (advanced)	1	"	"	"	"	XIII,	"	49.

GROUP II.

Physics	1	For amount required see				XV,	page	50.
Chemistry	1	"	"	"	"	XVI,	"	50.
Solid Geometry and Plane Trigonometry	1	For amount required see				III, IV,	"	45.
Physiography	1	"	"	"	"	XVIII,	"	51.
Astronomy	1	"	"	"	"	XVII,	"	50, 51.
History (the History not presented as a required subject)	1	For amount required see				XIV, 1 or 2,	"	49.

FOR CANDIDATES FOR THE DEGREE OF BACHELOR OF SCIENCE IN CIVIL ENGINEERING, MECHANICAL ENGINEERING, OR ELECTRICAL ENGINEERING

Algebra	For amount required see				I,	page	44.
Plane Geometry	"	"	"	"	II,	"	44.
Solid and Spherical Geometry	"	"	"	"	III,	"	45.
English	"	"	"	"	IV,	"	45, 46.
Freehand Drawing	"	"	"	"	XIX,	"	51.

Also two of the following:

French	For amount required see				X,	page	47.
German	"	"	"	"	XII,	"	48.
Chemistry	"	"	"	"	XVI,	"	50.

REQUIREMENTS IN STUDIES WHICH MAY BE PRESENTED FOR ADMISSION TO THE COURSES LEADING TO DEGREES

Certificates will be accepted under the conditions specified on page 33, except in advanced French and German, Chemistry, Physics, Solid Geometry and Plane Trigonometry, English and American History, Physiography, and Astronomy. In these subjects admission will be by examination only.

I.

ALGEBRA

Through equations of the second degree.

Although candidates are not examined in Arithmetic, a knowledge of its fundamental principles and a careful training in accurate computations with whole numbers and with vulgar and decimal fractions are regarded as essential parts of a preparatory course. Candidates are especially urged not to neglect this subject.

The requirement in Algebra includes the following subjects: factors, common divisors and multiples; fractions, ratios and proportions; negative quantities and the interpretation of negative results; the doctrine of exponents; radicals and equations involving radicals; the binomial theorem for positive integral powers of the binomial, and the extraction of roots; putting questions into equations and the reduction of equations; the ordinary methods of elimination, and the solution of both numerical and literal equations of the first and second degrees with one or more unknown quantities, and of problems leading to such equations; arithmetical and geometrical progression.

NOTE: It is very important that the student should acquire a thorough knowledge not only of the practice, but also of the reasons involved in the elementary algebraic rules. He should likewise be able to use readily the more important formulæ, as, for example, the quadratic formula.

II.

PLANE GEOMETRY

The propositions which are contained in the ordinary treatises, and which are recognized as constituting the elements of Geometry; original propositions and problems in mensuration.

NOTE: Teachers of Geometry should lay stress on accuracy of statement and elegance of form as well as on clear and strict reasoning. They should avoid mere memory work, and should take special care in the proof of a proposition that no lines be drawn unless their construction is proved to be possible.

The school curriculum ought to be so arranged that not a single term, much less a year, shall pass without some time being given to a mathematical subject. For a four-year course an average of two and one-half hours per week during that time will give the best results.

III.

SOLID GEOMETRY

The equivalent of Solid and Spherical Geometry as presented in Wells' Geometry, omitting the portion dealing with Regular Polyhedrons.

IV.

PLANE TRIGONOMETRY

General formulæ and solution of plane triangles as presented in the first seventy-six pages of Wells' New Plane and Spherical Trigonometry.

V.

ENGLISH

The preparation in English should include (1) careful and prolonged training in grammar and composition, (2) thoughtful reading of all the prescribed books and careful study of some of them. It is strongly recommended that the student also do as much supplementary reading as possible and commit to memory a considerable amount of poetry. The examination is intended to test the candidate's power of clear and accurate expression and his knowledge and appreciation of the literature. A candidate will not be accepted if his writing is seriously defective in spelling, use of capitals, punctuation, grammar, use of words, or structure of sentences and paragraphs, or if it shows insufficient acquaintance with the subject-matter of the prescribed books. As additional evidence of preparation the candidate may present an exercise book, properly certified by his instructor, containing compositions or other written work. The examination consists of two parts, which, however, cannot be taken separately:

1. *Reading and Practice.* In this part the candidate must show a good general knowledge of the subject-matter of the books; he should be able to state the leading thoughts of an essay, and to tell the main incidents, sketch the principal characters, and describe striking scenes of a poem or novel. He should also be able to answer simple questions on the lives of the authors.

In 1902 the books for this portion of the examination will be: Shakspere's Merchant of Venice; Pope's Iliad, books I, VI, XXII, and XXIV; the Sir Roger De Coverley Papers in the Spectator; Goldsmith's Vicar

of Wakefield; Coleridge's Ancient Mariner; Scott's Ivanhoe; Cooper's Last of the Mohicans; Tennyson's Princess; Lowell's Vision of Sir Launfal; George Eliot's Silas Marner.

In 1903, 1904 and 1905 they will be: Shakspere's Merchant of Venice and Julius Cæsar; the Sir Roger De Coverley Papers in the Spectator; Goldsmith's Vicar of Wakefield; Coleridge's Ancient Mariner; Scott's Ivanhoe; Carlyle's Essay on Burns; Tennyson's Princess; Lowell's Vision of Sir Launfal; George Eliot's Silas Marner.

2. *Study and Practice.* This part requires careful and detailed study of the works named below. The examination covers subject-matter, logical structure, and literary form. Questions are asked about the style, the verse, the structure of the plots, the motives and development of the characters, the meaning of words and allusions, and (in the case of essays and speeches) the logical structure of the whole.

In 1902, 1903, 1904 and 1905 the books for this portion of the examination will be: Shakspere's Macbeth; Milton's Lycidas, Comus, L'Allegro and Il Penseroso; Burke's Speech on Conciliation with America; Macaulay's Essay on Milton and Addison.

VI.

ELEMENTARY GREEK

1. Xenophon's Anabasis I, II, III, IV, regard being had not only to language but to subject-matter as well. 2. Grammar: A familiar knowledge of inflection, word formation, and ordinary syntax. 3. Composition: The first twenty-five exercises of Jones' Composition or Allinson's Composition as far as Part III, or Collar and Daniell's entire, or other equivalent preparation in writing connected Greek prose.

VII.

ADVANCED GREEK

Three books of Homer, or Anabasis V, VI, VII, or Anabasis V and Hellenica I and II. Students will also be expected to show proficiency in the grammar and composition noted in the elementary requirement.

VIII.

ELEMENTARY LATIN

1. Cæsar. Gallic War, books I-IV, or books I-III and Sallust's Catiline, with questions on the forms, constructions and subject-matter.

2. Cicero. The Oration against Catiline and the Oration for Archias, with questions on the grammar and subject-matter.

3. Ovid. Twenty-five hundred lines, with questions on the subject-matter and prosody.

4. Translation at sight of ordinary passages from Cæsar and Cicero, with questions on the ordinary forms and constructions.

5. Translation into Latin of simple English sentences.

IX.

ADVANCED LATIN

1. Includes 1, 2, 3 mentioned under Elementary Latin.

2. Vergil. Æneid, books I-VI, or books I-V and the Eclogues, with questions on the construction, subject-matter and prosody.

3. Translation at sight of prose and verse, with questions on the construction, subject-matter and prosody.

4. Translation into Latin of a continuous passage of English narrative, prepared from some portion of the prescribed prose.

X.

ELEMENTARY FRENCH

1. Proficiency in elementary French grammar, implying, especially, familiarity with the following topics: inflection of nouns and adjectives in gender and number; the pronominal adjectives; the use of pronouns, especially the forms and positions of personal pronouns; the partitive constructions; the inflection of the regular verbs and of the more usual irregular verbs, such as *dire, faire*, and the classes represented by *ouvrir, sentir, venir, paraître, conduire* and *craindre*.

The mention of these topics is not to be understood as restrictive, but is meant rather to emphasize the importance of a thorough grounding of the pupil in those elements on which future good work depends. Mastery of Whitney's Brief French Grammar will be regarded as sufficient.

2. Ability to translate simple prose at sight.

NOTE: It is believed that the required facility can be gained by reading, concurrently with the grammar work, from two hundred to four hundred duodecimo pages, of at least three dissimilar works. Care should be taken not to read works assigned in the University courses.

3. Ability to pronounce French and to recognize French words and simple phrases when spoken.

NOTE: It is recommended that from the beginning careful attention be given to the fluent and intelligent pronunciation of the French texts used in the class-room.

XI.

ADVANCED FRENCH

1. The translation at sight of standard French into good, idiomatic English.

2. The translation into French of a connected passage of English prose, to test the candidate's familiarity with grammar. Proficiency in grammar may also be tested by direct questions.

3. The writing of French from dictation.

Candidates will be expected to show a thorough knowledge of accidence, and familiarity with the essentials of French syntax, especially the uses of tenses, modes, prepositions and conjunctions.

The work to be done should comprise the reading of from four hundred to six hundred pages of ordinary French, including the amount read for elementary requirement; constant practice in giving French paraphrases, abstracts or reproduction from memory of selected portions read; the study of a grammar of moderate completeness; writing from dictation.

XII.

ELEMENTARY GERMAN

1. Proficiency in elementary German grammar, implying, especially, familiarity with the following topics: declension of such nouns as are readily classified and of adjectives and pronouns; conjugation of weak verbs and of the more usual strong verbs; the commoner prepositions; the simpler uses of the modal auxiliaries; the simpler rules of syntax and of word order.

The mention of these topics is not to be understood as restrictive, but is meant rather to emphasize the importance of a thorough grounding of the pupil in those elements on which future good work depends. Mastery of Whitney's Brief German Grammar will be regarded as sufficient.

2. Ability to translate a passage of simple prose at sight, when a vocabulary of the less usual words is furnished.

NOTE: It is believed that the required facility can be gained by reading, concurrently with the grammar work, two hundred duodecimo pages of easy German, chiefly narrative prose, with a few lyric poems. Care should be taken not to read works assigned in the University courses.

3. Ability to pronounce German and to recognize German words and simple phrases when spoken.

NOTE: It is recommended that from the beginning careful attention be given to the fluent and intelligent pronunciation of the German texts used in the class-room.

XIII.

ADVANCED GERMAN

In addition to the minor requirements:

1. Ability to translate at sight ordinary German into good, idiomatic English, the passages for translation being suited to the proficiency of those who have read not less than five hundred pages of classical prose and verse.

2. Examinations are held upon Lessing's *Minna von Barnhelm* and *Emilia Galotti*, Schiller's *Jungfrau von Orleans* and *Maria Stuart* or *Wilhelm Tell;* Goethe's *Iphigenie auf Tauris* and *Egmont* or *Goetz von Berlichingen.* Buchheim's editions should be used as far as possible.

3. Ability to discuss the main facts in the life and activity of each of these authors and to discuss the characters and the development of thought in each piece.

4. Ability to read every text intelligently in the original. Such proficiency can, of course, be acquired only by constant oral practice, in the class-room.

XIV.

HISTORY

Either of the two following groups, each including two fields of historical study:

1. Greek and Roman history. (a) Greek history to the death of Alexander, with due reference to Greek life, literature and art. (b) Roman history to the end of the reign of Marcus Aurelius, with due reference to literature and government.

2. English and American history. (a) English History, with due reference to social and political development. (b) American History, with the elements of civil government.

For preparation in each of the two historical fields included in (1) and (2), a course of study equivalent to at least three lessons a week for one year will be necessary, or five lessons a week for one year for the two fields together.

The candidates will be expected to show such general knowledge of each field as may be acquired from the study of an accurate modern text-book of not less than three hundred pages, supplemented by not less than three hundred pages of suitable parallel readings.

The following text-books will indicate the kind and extent of preparation, other than that obtained through the parallel readings, which the candidate should possess:

Greek history. Botsford's History of Greece or Oman's History of Greece.

Roman history. Botsford's History of Rome or Pelham's History of Rome.

English history. Either Coman and Kendall's History of England or Larned's History of England.

American history. Either Montgomery's Student's American History or Johnston's High School History of the United States.

Suitable equivalents will be accepted for the foregoing text-books.

XV.

PHYSICS

The equivalent of Hall & Bergen's text-book of Physics, together with an approved laboratory course of at least forty experiments.

XVI.

CHEMISTRY

Candidates will be expected to have a good knowledge of the non-metals and their principal combinations, the metals and their principal salts, the more important topics of chemical philosophy, chemical nomenclature and notation, and the ordinary methods of stoichiometry. Candidates should have personally performed about 100 simple chemical experiments (those in Appleton's Young Chemist are mentioned as illustrations, but equivalents will be accepted). Each candidate is expected to submit his manuscript notes, or reports of his work. It is supposed that a course accomplishing the preparation above outlined will require an amount of time equivalent to three hours a week for one school year.

XVII.

ASTRONOMY

Class instruction is assumed for the equivalent of three hours a week for a school year in the elementary principles of the science, including observations of the heavens with reference to the positions and movements of the heavenly bodies. The following are the chief topics to be studied:

The Celestial Sphere; designation of the directions of a heavenly body.

The Earth — its axial rotation; time, latitude, longitude; its orbital revolution; precession, aberration, the seasons, equation of time, the calendar.

The Moon—its axial rotation, orbital motion, librations, phases, surface features, physical condition; lunar and solar eclipses.

The Sun — its rotation, physical characteristics, light and heat.

The Planets — apparent and real motions, individual characteristics.

The Law of Gravitation — its control of the solar system; the tides.

Comets and Meteors.

The Stars; designation, classification by constellations, motions, distance, brightness, variables.

Stellar Systems; clusters, nebulæ; the stellar universe, cosmogony.

XVIII.

PHYSIOGRAPHY

Class instruction is assumed for the equivalent of three hours a week for a school year in the elementary principles of the science. It includes the following subjects:

The Earth as a member of the solar system.

The Atmosphere; its nature, temperature, pressure, moisture and precipitation, circulation, storms, weather, climate.

The Oceans; form and general characteristics, life within the oceans, waves, currents, tides.

The Lands; distribution, structure, processes of denudation and reconstruction and the resulting topographic features such as plains, plateaus, mountains, valleys, hills, volcanoes.

Life on the Earth; influence of nature on man, influence of man on nature.

XIX.

FREEHAND DRAWING

Candidates will be required to show ability to execute neatly and accurately some simple style of lettering; to make freehand orthographic and perspective sketches of models ranging in difficulty from cubes and cylinders to the separate parts of complicated machines; and to shade drawings of models bounded by planes and by singly and doubly curved surfaces. Candidates should submit to the head of the department of Drawing a complete set of drawings made under the supervision of a teacher of drawing and properly certified by him.

UNDERGRADUATE COURSES ARRANGED ACCORDING TO YEARS AND TERMS

FOR CANDIDATES FOR THE DEGREE OF BACHELOR OF ARTS

Except those entering in 1902 and after

I. PRESCRIBED COURSES

FRESHMAN YEAR

First Term	*Second Term*	*Third Term*
Greek 1	Greek 2	Greek 3
Latin 1	Latin 2	Latin 3
*French 1 or German 4	French 2 or German 6	French 3 or German 8
Mathematics 1	Mathematics 3	Mathematics 2
	Gymnasium	

SOPHOMORE YEAR

English 1	English 2	English 3
German 1 or French A	German 2 or French B	German 3 or French C
Electives, nine hours	Gymnasium	Electives, nine hours
	Electives, nine hours	

JUNIOR YEAR

English 4	English 5	English 6
History 1	History 2	Electives, fifteen hours
Electives, † twelve hours	Gymnasium	
	Electives, twelve hours	

SENIOR YEAR

With the exception of Gymnasium practice, the work of the Senior year consists entirely of elective studies, fifteen hours a week.

*Students who pursue French 1, 2, 3 during the Freshman year must take German during the Sophomore year; those who pursue German 4, 6, 8 during the Freshman year must take French during the Sophomore year.

†Every candidate for the degree of Bachelor of Arts must take before graduation some one complete course in Philosophy.

II. ELECTIVE COURSES.

FIRST TERM.

Philosophy 19 So. Jr.
" 2 Jr.
" 20 Sr.
" 29 Jr. Sr.
" 39 Sr.
" 8 Jr. Sr.
" 5 Sr.
" 33 Sr.
Education 1 Jr. Sr.
" 4 Sr.
History 15 Jr. Sr.
" 4 Jr. Sr.
" 7 Sr.
" 14 Sr.
Social Science 12 So. Jr. Sr.
Social Science 14 Jr. Sr.
Social Science 5 Jr. Sr.
Political Science 13 Jr. Sr.
Political Science 1 Jr. Sr.
Political Science 3* Jr. Sr.
Political Science 4* Jr. Sr.
Social Science 10* Jr. Sr.
Social Science 1* Jr. Sr.
Elementary Law 1* Jr. Sr.
Elementary Law 4 Jr. Sr.
Elementary Law 9* Jr. Sr.
Political Economy 1 Jr. Sr.
Political Economy 6 Jr. Sr.
Political Economy 6a Jr. Sr.
Political Economy 15 Jr. Sr.
Political Economy 15a Jr. Sr.
History of Art 1 Jr. Sr.
History of Art 7 Jr. Sr.
Music 1 So. Jr. Sr.
" 4 Jr. Sr.
" 7* Sr.
" 10* Jr. Sr.
Philology 4* Jr. Sr.
" 7* Sr.
" 10 Sr.
Greek A So. Jr. Sr.
" 4 So.
" 7* Jr. Sr.
" 10* Jr. Sr.
" 13* Jr. Sr.
" 16* Jr. Sr.
" 28* Jr. Sr.
" 45 Jr. Sr.
" 25* Sr.
" 32 Sr.
" 34 Sr.
" 41* Sr.
Latin 4 So.
" 7 Jr. Sr.
" 11* Jr. Sr.
" 37 So. Jr. Sr.
" 10 Jr. Sr.
" 31* Jr. Sr.
" 16 Jr. Sr.
" 19* Sr.
" 22* Sr.
English 7 So. Jr. Sr.
" 13 So. Jr. Sr.
" 16 So. Jr. Sr.
" 19 So. Jr. Sr.
" 22 Jr. Sr.
" 25 So. Jr. Sr.
" 28 Jr. Sr.
" 31* Jr. Sr.
" 34 Jr. Sr.
" 37* Jr. Sr.
" 40* Jr. Sr.
" 67 Jr. Sr.
" 46* Jr. Sr.
" 49* Jr. Sr.
" 52* Jr. Sr.
" 55* Jr. Sr.
" 58 Jr. Sr.
" 61 Jr. Sr.
" 64 Sr.
German 4 Jr. Sr.
" 5 Jr. Sr.
" 49* Jr. Sr.
" 28 Jr. Sr.
" 46 So. Jr. Sr.
" 16 So. Jr. Sr.
" 40 So. Jr. Sr.
" 10 So. Jr. Sr.
Old Norse 1 Sr.
Gothic 1* Sr.
French 4 So. Jr. Sr.
" 13* So. Jr. Sr.
" 37 Jr. Sr.
Italian 1 Jr. Sr.
Comparative Literature 1* Jr. Sr.
Spanish 1 So. Jr.
" 4 Jr. Sr.
Hebrew 1 Jr. Sr.
" 4 Sr.
Aramaic 1 Sr.
Arabic 1* Jr. Sr.
New Testament 7 Jr. Sr.
New Testament 1* Jr. Sr.
Biblical Literature 4* So. Jr. Sr.
Biblical Literature 1 So. Jr. Sr.
Mathematics 9 So. Jr. Sr.
Mathematics 13 So. Jr. Sr.
Mathematics 15 Jr. Sr.
Drawing 16 So. Jr. Sr.
" 7 So. Jr. Sr.
" 10 Jr. Sr.
" 27 Sr.
" 15 So. Jr. Sr.
" 13 So. Jr. Sr.
Civil Engineering 1 So. Jr. Sr.
Civil Engineering 5, 5a Jr. Sr.
Civil Engineering 19* Sr.
Civil Engineering 29 Sr.

* Not offered in 1901-1902.

Civil Engineering 30 Sr.
Mechanical Engineering 1 So. Jr. Sr.
Mechanical Engineering 3 Sr.
Mechanical Engineering 6 Sr.
Mechanical Engineering 10-18 So. Jr. Sr.
Mechanics 3 So. Jr. Sr.
" 7 Jr. Sr.
Astronomy 1 Jr. Sr.
" 3 Jr. Sr.
" 8 Sr.
Physics 1 So. Jr. Sr.
Physics 5 Jr. Sr.
" 36 Jr. Sr.
" 11 Jr. Sr.
" 13 Sr.
" 17 Sr.
" 26 Sr.
" 29 Jr. Sr.
" 33 Sr.
" 40 Jr. Sr.
" 43 Sr.
Chemistry 1 So.
" 4 Jr.
" 7 Sr.
" 10 Sr.
Geology 1 Sr.
" 5 Sr.
Comparative Anatomy 15 Fr. So. Jr. Sr.
Comparative Anatomy 3 So. Jr. Sr.
Comparative Anatomy 2 So. Jr. Sr.
Comparative Anatomy 16* Jr. Sr.
Comparative Anatomy 19 Jr. Sr.
Comparative Anatomy 31 Jr. Sr.
Botany 1 So. Jr. Sr.
" 4 So. Jr. Sr.
" 7 Jr. Sr.

SECOND TERM

Philosophy 27 So. Jr.
" 3 Jr.
" 21 Sr.
" 30 Jr. Sr.
" 40 Sr.
" 9 Jr. Sr.
" 23 Sr.
" 26* Sr
" 17* Sr.
" 34 Sr.
Education 2 Jr. Sr.
" 5 Sr.
History 11 Jr. Sr.
" 5 Jr. Sr.
" 8 Sr.
" 14 Sr.
Social Science 13 Jr. Sr.
Social Science 2* Jr. Sr.
Social Science 15* Jr. Sr.
Political Science 12 So. Jr. Sr.
Political Science 14 Jr. Sr.
Political Science 17 Jr. Sr.
Political Science 6 Jr. Sr.
Political Science 7* Jr. Sr.
Political Science 16* Jr. Sr.
Elementary Law 2* Jr. Sr.
Elementary Law 7 Jr. Sr.
Elementary Law 5* Jr. Sr.
Political Economy 2 Jr. Sr.
Political Economy 7 Jr. Sr.
Political Economy 7a Jr. Sr.
Political Economy 16 Jr. Sr.
Political Economy 16a Jr. Sr.
History of Art 4 Jr. Sr.
" " 9 Jr. Sr.
Music 2 So. Jr. Sr.
" 5 Jr. Sr.
" 8* Sr.
" 14* Jr. Sr.
" 11* Jr. Sr.
Philology 1 Jr. Sr.
" 5* Jr. Sr.
" 8* Sr.
" 11 Sr.
Greek B So. Jr. Sr.
" 6 So.
" 8* Jr. Sr.
" 12 Jr. Sr.
" 14* Jr. Sr.
" 17* Jr. Sr.
" 23 So. Jr. Sr.
Greek 26 Sr.
" 43 Sr.
" 35 So. Jr. Sr.
" 42* Sr.
Latin 5 So.
" 8 Jr. Sr.
" 12* Jr. Sr.
" 38 So. Jr. Sr.
" 14 Jr. Sr.
" 32* Jr. Sr.
" 17 Jr. Sr.
" 20* Sr.
" 23* Sr.
English 8 So. Jr. Sr.
" 11 Jr. Sr.
" 14 So. Jr. Sr.
" 17 So. Jr. Sr.
" 20 So. Jr. Sr.
" 23 Jr. Sr.
" 26 So. Jr. Sr.
" 29 Jr. Sr.
" 32* Jr. Sr.
" 35 Jr. Sr.
" 38* Jr. Sr.
" 41* Jr. Sr.
" 68 Jr. Sr.
" 47* Jr. Sr.
" 50* Jr. Sr.
" 53* Jr. Sr.
" 56* Jr. Sr.
" 59 Jr. Sr.
" 62 Jr. Sr.
" 65 Sr.
German 6 Jr. Sr.

* Not offered in 1901-1902.

German 7 Jr. Sr.
" 50* Jr. Sr.
" 29 Jr. Sr.
Old Norse 2 Sr.
Gothic 2* Sr.
German 47 So. Jr. Sr.
" 17 So. Jr. Sr.
" 41 So. Jr. Sr.
" 11 So. Jr. Sr.
French 5 So. Jr. Sr.
" 14*So. Jr. Sr.
" 38 Jr. Sr.
Italian 11 Jr. Sr.
Comparative Literature 2* Jr. Sr.
Spanish 2 So. Jr.
" 5 Jr. Sr.
Hebrew 2 Jr. Sr.
" 5 Sr.
Syriac 1 Sr.
Arabic 2* Jr. Sr.
New Testament 6 Jr. Sr.
New Testament 2* Jr. Sr.
Biblical Literature 5* So. Jr. Sr.
Biblical Literature 2 So. Jr. Sr.
Mathematics 10 So. Jr. Sr.
Mathematics 14 So. Jr. Sr.
Mathematics 16 Jr. Sr.
Drawing 17 So. Jr. Sr.
" 8 So. Jr. Sr.
" 11 Jr. Sr.
" 28 Sr.
" 15 So. Jr. Sr.
" 19 So. Jr. Sr.
Civil Engineering 2 So. Jr. Sr.
Civil Engineering 6 Jr. Sr.
Civil Engineering 10 Jr. Sr.
Civil Engineering 15 Sr.
Civil Engineering 16 Sr.
Civil Engineering 20* Sr.
Civil Engineering 31 Sr.
Mechanical Engineering 4 Sr.
Mechanical Engineering 7 Sr.
Mechanical Engineering 10-18 So. Jr. Sr.
Mechanics 4 So. Jr. Sr.
" 8 Jr. Sr.
Astronomy 2 Jr. Sr.
" 4 Jr. Sr.
" 9 Sr.
Physics 2 So. Jr. Sr.
" 32* So. Jr. Sr.
" 9 Jr. Sr.
Physics 39 Jr. Sr.
" 12 Jr. Sr.
" 37* So. Jr. Sr.
" 38* So. Jr. Sr.
" 14 Sr.
" 18 Sr.
" 20 Sr.
" 27 Sr.
" 30 Jr. Sr.
" 34 Sr.
" 41 Jr. Sr.
" 44 Sr.
Chemistry 2 So.
" 5 Jr.
" 8 Sr.
" 11 Sr.
Zoölogy 1 Jr. Sr.
Geology 2 Sr.
Comparative Anatomy 1 Fr. So. Jr. Sr.
Comparative Anatomy 4 So. Jr. Sr.
Comparative Anatomy 17* Jr. Sr.
Comparative Anatomy 20 Jr. Sr.
Comparative Anatomy 9 Jr. Sr.
Comparative Anatomy 32 Jr. Sr.
Botany 2 So. Jr. Sr.
" 5 So. Jr. Sr.
" 12 Jr. Sr.

THIRD TERM

Philosophy 43 So. Jr.
" 4 Jr.
" 22 Sr.
" 31 Jr. Sr.
" 41 Sr.
" 10 Jr. Sr.
" 24 Sr.
" 35 Sr.
" 44 Sr.
Education 3 Jr. Sr.
" 6 Sr.
History 3 Jr. Sr.
" 16 Jr. Sr.
" 18* Jr. Sr.
" 6 Jr. Sr.
" 9 Sr.
History 14 Sr.
Social Science 3* Jr. Sr.
Social Science 4 Jr. Sr.
" " 11 Jr. Sr.
" " 14* Jr. Sr.
Political Science 15 Jr. Sr.
Political Science 18 Jr. Sr.
Political Science 19 Jr. Sr.
Political Science 11* Jr. Sr.
Political Science 2* Jr. Sr.
Political Science 5* Jr. Sr.
Elementary Law 3* Jr. Sr.
Elementary Law 8 Jr. Sr.
Elementary Law 6* Jr. Sr.
Political Economy 12 So. Jr. Sr.
Political Economy 3 Jr. Sr.
Political Economy 8 Jr. Sr.
Political Economy 18 Jr. Sr.

* Not offered in 1901-1902.

History of Art 6 Jr. Sr.
History of Art 8 Jr. Sr.
Music 3 So. Jr. Sr.
" 6 Jr. Sr.
" 9* Sr.
" 15 Jr. Sr.
" 12* Jr. Sr.
" 13* Jr. Sr.
Philology 6* Jr. Sr.
" 12 Sr.
Greek C So. Jr. Sr.
" 5 So.
" 9* Jr. Sr.
" 15* Jr. Sr.
" 18* Jr. Sr.
" 44 Jr. Sr.
" 24 So. Jr. Sr.
" 46 So. Jr. Sr.
" 36 Sr.
Latin 6 So.
" 9 Jr. Sr.
" 13* Jr. Sr.
" 39 So. Jr. Sr.
Latin 15 Jr. Sr.
" 33* Jr. Sr.
" 18 Jr. Sr.
" 21* Sr.
" 24* Sr.
English 9 So. Jr. Sr.
" 12 Jr. Sr.
" 15 Fr.So.Jr.Sr.
" 18 So. Jr. Sr.
" 21 So. Jr. Sr.
" 24 Jr. Sr.
" 27 So. Jr. Sr.
" 30 Jr. Sr.
" 33* Jr. Sr.
" 36 Jr. Sr.
" 39* Jr. Sr.
" 42* Jr. Sr.
" 69 Jr. Sr.
" 48* Jr. Sr.
" 51* Jr. Sr.
" 54* Jr. Sr.
" 57* Jr. Sr.
" 60 Jr. Sr.
" 63 Jr. Sr.
" 66 Sr.
German 8 Jr. Sr.
" 9 Jr. Sr.
" 51* Jr. Sr.
" 30 Jr. Sr.
Old Norse 3 Sr.
Gothic 3* Sr.
German 48 So. Jr. Sr.
" 18 So. Jr. Sr.
" 42 So. Jr. Sr.
" 12 So. Jr. Sr.
French 6 So. Jr. Sr.
" 15* So. Jr. Sr.
" 39 Jr. Sr.
Italian 12 Jr. Sr.
Comparative Literature 3* Jr. Sr.
Spanish 3 So. Jr.
" 6 Jr. Sr.
Hebrew 3 Jr. Sr.
" 6 Sr.
Syriac 2 Sr.
Arabic 3* Jr. Sr.
New Testament 3 Jr. Sr.
New Testament 5* Jr. Sr.
Biblical Literature 6* So. Jr. Sr.
Biblical Literature 3 So. Jr. Sr.
Mathematics 8 So. Jr. Sr.
Mathematics 11* So. Jr. Sr.
Mathematics 30 So. Jr. Sr.
Mathematics 12 So. Jr. Sr.
Mathematics 31 So. Jr. Sr.
Drawing 18 So. Jr. Sr.
" 14 So. Jr. Sr.
" 9 So. Jr. Sr.
" 12 Jr. Sr.
" 15 So. Jr. Sr.
" 20 So. Jr. Sr.
Civil Engineering 3 So. Jr. Sr.
Civil Engineering 8, 8a So. Jr. Sr.
Civil Engineering 7 Jr. Sr.
Civil Engineering 11 Jr. Sr.
Civil Engineering 17 Jr. Sr.
Civil Engineering 18 So. Jr. Sr.
Civil Engineering 21 Sr.
Civil Engineering 28 Jr. Sr.
Civil Engineering 32 Sr.
Mechanical Engineering 9 Jr. Sr.
Mechanical Engineering 5 Sr.
Mechanical Engineering 8 Sr.
Mechanical Engineering 10-18 So. Jr. Sr.
Mechanics 6 So. Jr. Sr.
Astronomy 6 Jr. Sr.
" 5 Jr. Sr.
" 10 Sr.
Physics 4 So. Jr. Sr.
" 10 Jr. Sr.
" 46 Jr. Sr.
" 15 Jr. Sr.
" 16 Sr.
" 19 Sr.
" 21 Sr.
" 28 Sr.
" 31 Jr. Sr.
" 35 Sr.
" 42 Jr. Sr.
" 45 Sr.
" 47 Sr.
Chemistry 3 So.
" 6 Jr.
" 9 Sr.
" 12 Sr.
" 13 Sr.
" 23 Sr.
Zoölogy 3 Jr. Sr.
Geology 9 Sr.
Anthropology 1 Sr.
Comparative Anatomy 35 Fr. So. Jr. Sr.
Comparative Anatomy 34 So. Jr. Sr.
Comparative Anatomy 30* Jr. Sr.
Comparative Anatomy 18 Jr. Sr.
Comparative Anatomy 21 Jr. Sr.
Comparative Anatomy 33 Jr. Sr.
Botany 3 So. Jr. Sr.
" 14 So. Jr. Sr.
" 9 Jr. Sr.
Bibliography 1 Sr.

* Not offered in 1901-1902.

FOR CANDIDATES FOR THE DEGREE OF BACHELOR OF ARTS

For Students Entering in 1902 and after

Candidates are required to take certain studies before the completion of the course, as shown in the following tabulation. It is advisable that the required studies be completed as soon as possible in order to allow more time for elective work during the latter part of the course.

Ancient Language (either Latin or Greek or both). Six hours.

At least three hours must be taken in the Freshman year, and the whole six hours must be completed by the end of the Sophomore year.

Modern Language (either French or German or both). Six hours.

At least three hours must be taken in the Freshman year, and the whole six hours must be completed by the end of the Sophomore year.

If only one language is presented for admission the elementary course in the language not presented must be taken.

Languages in which elementary work only is presented for admission must be continued. If elementary work only is presented in one language that language must be continued in the Freshman year. If elementary work only is presented in both languages the continuation of one of these may be postponed to the Sophomore year.

Subject to the above restrictions a student may take the six hours required wholly in French, wholly in German, or three hours in each, choosing any courses for which he is fitted by his previous work.

Mathematics. Freshman year. Four hours.

Those who present Solid and Spherical Geometry and Plane Trigonometry must take Mathematics five hours per week during the Freshman year. This includes the courses now numbered Mathematics 4, 5, 6, 7, 9, 10, and 12. Students taking these courses will be enabled to begin work in sciences requiring Mathematics one year earlier than other students.

Rhetoric (elementary). Freshman year. Three hours.

Rhetoric (argumentation). Junior year. One hour.

European History. Three hours.

First and second terms either in the Sophomore or Junior year.

English Literature. Three hours.

Sophomore, Junior or Senior year.

Physical or Natural Science, a continuous course throughout the year. Three hours.
Freshman, Sophomore or Junior year.

Political Science, Social Science, and Political Economy. Three hours.
Sophomore, Junior, or Senior year.

Philosophy. Three hours.
Sophomore, Junior, or Senior year.

FRESHMAN YEAR

I. *Required Studies:*

Ancient Language (Latin or Greek). Three hours.
Modern Language (French or German). Three hours.
*Mathematics. Four or five hours.
Rhetoric. Three hours.

II. *Elective Studies*, one may be chosen.

Latin (advanced), three hours.
Greek (elementary or advanced). Three hours.
French (elementary or advanced). Three hours.
German (elementary or advanced). Three hours.
History of Greek and Roman Life and Institutions. Three hours.
Physical or Natural Science, a continuous course throughout the year. Three hours.

SOPHOMORE YEAR

I. Required studies which must be completed by the end of the Sophomore year.

That portion of the required work in ancient and modern languages not completed in the Freshman year.

II. Other required and elective studies sufficient with studies taken under I. to make fifteen hours per week.

JUNIOR YEAR

I. Required studies which must be completed by the end of the Junior year.

Rhetoric (argumentation). One hour.

The required History and Physical or Natural Science, if not previously taken.

*Five hours for students presenting Solid and Spherical Geometry and Plane Trigonometry for entrance.

II. Other required and elective studies sufficient with studies taken under I. to make sixteen hours per week.

SENIOR YEAR

I. All required studies not previously taken.

II. Elective studies sufficient with studies taken under I. to make fifteen hours per week.

FOR CANDIDATES FOR THE DEGREE OF BACHELOR OF PHILOSOPHY

For Students now in the University and for those entering in 1902

I. PRESCRIBED COURSES

FRESHMAN YEAR

First Term	*Second Term*	*Third Term*
Mathematics 1	Mathematics 3	Mathematics 2
*French 1 or German 4	French 2 or German 6	French 3 or German 8
English 1	English 2	English 3
	Gymnasium	
and one of the following: †		
Botany 1	Botany 2	Botany 3
Drawing 1	Drawing 5	Drawing 6
Greek 1	Greek 2	Greek 3
Latin 1	Latin 2	Latin 3
Comparative Anatomy 15	Comparative Anatomy 1	Comparative Anatomy 2

SOPHOMORE YEAR

German 1 or French A	German 2 or French B	German 3 or French C
Electives, twelve hrs.	Gymnasium	Electives, twelve hrs.
	Electives, twelve hrs.	

JUNIOR YEAR

English 4	English 5	English 6
History 1	History 2	Electives, fifteen hours
Electives, ‡ twelve hours	Gymnasium	
	Electives, twelve hrs.	

*See note, p. 52.

†Freshmen whose entrance work is complete may carry Drawing 2, 3, 4 as an extra study.

‡Every candidate for the degree of Bachelor of Philosophy must take before graduation some one complete course in Philosophy.

SENIOR YEAR

With the exception of Gymnasium practice the work of the Senior year consists entirely of elective studies, fifteen hours a week.

II. ELECTIVE COURSES

Same as for candidates for the degree of Bachelor of Arts. See list on pages 53–56.

FOR CANDIDATES FOR THE DEGREE OF BACHELOR OF SCIENCE

For students who entered before 1902

I. PRESCRIBED COURSES

FRESHMAN YEAR

First Term	*Second Term*	*Third Term*
Mathematics 4, 5	Mathematics 6	Mathematics 7
Mathematics 9	Mathematics 10	Mathematics 12
*French 1 or German 4	French 2 or German 6	French 3 or German 8
English 1	English 2	English 3
	Gymnasium	
	and one of the following:	
Botany 1	Botany 2	Botany 3
Drawing 1	Drawing 5	Drawing 6
Comparative Anatomy 15	Comparative Anatomy 1	Comparative Anatomy 35

SOPHOMORE YEAR

German 1 or French A	German 2 or French B	German 3 or French C
Physics 1	Physics 2	Physics 4
Chemistry 1	Chemistry 2	Chemistry 3
Electives, six hours	Gymnasium	Electives, six hours
	Electives, six hours	

JUNIOR YEAR

English 4	English 5	English 6
History 1	History 2	Electives, fifteen hours
Electives, † twelve hours	Gymnasium	
	Electives, twelve hours	

*See note, p. 52.

† Every candidate for the degree of Bachelor of Science must take before graduation some one complete course in Philosophy.

SENIOR YEAR

With the exception of Gymnasium practice, the work of the Senior year consists of fifteen hours of electives per week.

II. ELECTIVE COURSES

FIRST TERM

Mathematics 13 So. Jr. Sr.
Mathematics 15 Jr. Sr.
" 21 Sr.
Civil Engineering 1 So. Jr.
Civil Engineering 5, 5a, Jr. Sr.
Civil Engineering 29 Sr.
Civil Engineering 30 Sr.
Mechanical Engineering 1 So. Jr. Sr.
Mechanical Engineering 3 Sr.
Mechanical Engineering 6 Sr.
Mechanical Engineering 10-18 So. Jr. Sr.
French 4 So. Jr. Sr.
" 37 Jr. Sr.
German 4 So. Jr. Sr.
" 5 Jr. Sr.
Botany 1 So. Jr. Sr.
" 4 So. Jr. Sr.
" 7 Jr. Sr.
Comparative Anatomy 15 So. Jr. Sr.
Comparative Anatomy 3 So. Jr. Sr.
Comparative Anatomy 19 Jr. Sr.
Comparative Anatomy 31
Mechanics 3 So. Jr. Sr.
" 7 Jr. Sr.
Astronomy 1 Jr. Sr.
" 3 Jr. Sr.
" 8 Sr.
Chemistry 4 Jr. Sr.
" 7 Sr.
" 10 Sr.
Physics 5 Jr. Sr.
" 11 Jr. Sr.
" 36 Jr. Sr.
" 13 Sr.
" 17 Sr.
" 26 Jr. Sr.
" 29 Jr. Sr.
" 33 Sr.
" 40 Jr. Sr.
" 43 Sr.
Spanish 1 So. Jr. Sr.
Italian 1 So. Jr. Sr.
History 4 Jr. Sr.
" 7 Sr.
Philosophy 19 So. Jr.
" 2 Jr.
" 20 Sr.
" 29 Jr. Sr.
" 39 Sr.
" 8 Jr. Sr.
" 5 Sr.
" 33 Sr.
English 16 So. Jr. Sr.
" 25 So. Jr. Sr.
Social Science 12 So. Jr. Sr.
Social Science 14 Jr. Sr.
Social Science 5 Jr. Sr.
Political Science 13 Jr. Sr.
Political Science 1 Jr. Sr.
Political Economy 1 Jr. Sr.
Political Economy 6 Jr. Sr.
Political Science 15 Jr. Sr.
Geology 1 Sr.
" 5 Sr.
Education 1 Jr. Sr.
Education 4 Sr.

SECOND TERM

Mathematics 14 So. Jr.
" 16 Jr. Sr.
Civil Engineering 2 So. Jr.
Civil Engineering 6 Jr. Sr.
Civil Engineering 10 Jr. Sr.
Civil Engineering 15 Sr.
Civil Engineering 16 Jr. Sr.
Civil Engineering 31 Sr.
Mechanical Engineering 4 Sr.
Mechanical Engineering 7 Sr.
Mechanical Engineering 10-18 So. Jr. Sr.
French 5 So. Jr. Sr.
" 38 Jr. Sr.
German 6 So. Jr. Sr.
" 7 Jr. Sr.
Botany 2 So. Jr. Sr.
" 5 So. Jr. Sr.
" 12 Jr. Sr.
Comparative Anatomy 1 So. Jr. Sr.
Comparative Anatomy 4 So. Jr. Sr.
Comparative Anatomy 20 Jr. Sr.
Comparative Anatomy 9 Jr. Sr.
Comparative Anatomy 32 Jr. Sr.
Mechanics 4 So. Jr. Sr.
" 8 Jr. Sr.
Astronomy 2 Jr. Sr.
" 4 Jr. Sr.

Astronomy 9 Sr.
Chemistry 5 Jr. Sr.
" 8 Sr.
" 11 Sr.
Physics 9 Jr. Sr.
" 12 Jr. Sr.
" 39 Jr. Sr.
" 14 Sr.
" 18 Sr.
" 20 Sr.
" 27 Sr.
" 30 Sr.
" 34 Sr.
" 41 Jr. Sr.
" 44 Sr.
Spanish 2 So. Jr. Sr.
Italian 2 So. Jr. Sr.
History 5 Jr. Sr.
" 8 Sr.
Philosophy 27 So. Jr.
" 3 Jr.
" 21 Sr.
" 30 Jr. Sr.
" 40 Sr.
" 9 Jr. Sr.
" 23 Sr.
" 34 Sr.
English 17 So. Jr. Sr.
" 26 So. Jr. Sr.
Social Science 13 Jr. Sr.
Political Science 12 So. Jr. Sr.
Political Science 14 Jr. Sr.
Political Science 17 Jr. Sr.
Political Science 6 Jr. Sr.
Political Economy 2 Jr. Sr.
Political Economy 7 Jr. Sr.
Political Economy 16
Geology 2 Sr.
Zoölogy 1 Jr. Sr.
Education 2 Jr. Sr.
" 5 Sr.

THIRD TERM

Mathematics 30 So. Jr. Sr.
Mathematics 8 So. Jr. Sr.
Mathematics 31 Jr. Sr.
Civil Engineering 3 So. Jr.
Civil Engineering 8, 8a, So. Jr. Sr.
Civil Engineering 7 Jr. Sr.
Civil Engineering 11 Jr. Sr.
Civil Engineering 17 Jr. Sr.
Civil Engineering 18 So. Jr. Sr.
Civil Engineering 21 Sr.
Civil Engineering 28 Sr.
Civil Engineering 32 Sr.
Mechanical Engineering 9 Jr. Sr.
Mechanical Engineering 5 Sr.
Mechanical Engineering 8 Sr.
Mechanical Engineering 10-18 So. Jr. Sr.
French 6 So. Jr. Sr.
" 39 Jr. Sr.
German 8 So. Jr. Sr.
" 9 Jr. Sr.
Botany 3 So. Jr. Sr.
" 9 Jr. Sr.
" 14 Jr. Sr.
Comparative Anatomy 35 So. Jr. Sr.
Comparative Anatomy 34 So. Jr. Sr
Comparative Anatomy 33 Jr. Sr.
Comparative Anatomy 18 Jr. Sr.
Comparative Anatomy 21 Jr. Sr.
Mechanics 6 So. Jr. Sr.
Astronomy 6 Jr. Sr.
" 5 Jr. Sr.
" 10 Sr.
Chemistry 6 Jr. Sr.
" 9 Sr.
" 12 Sr.
" 13 Sr.
" 23 Sr.
Physics 10 Jr. Sr.
" 15 Jr. Sr.
" 16 Sr.
" 46 Sr.
" 19 Sr.
" 21 Sr.
" 28 Sr.
" 31 Jr. Sr.
" 35 Sr.
" 42 Jr. Sr.
" 45 Sr.
" 47 Sr.
Spanish 3 So. Jr. Sr.
Italian 3 So. Jr. Sr.
History 6 Jr. Sr.
" 9 Sr.
Philosophy 43 So. Jr.
" 4 Jr.
" 31 Jr. Sr.
" 22 Sr.
" 41 Sr.
" 10 Jr. Sr.
" 24 Sr.
" 35 Sr.
" 44 Sr.
English 18 So. Jr. Sr.
" 27 Jr. Sr.
Social Science 4 Jr. Sr.
" " 11 Jr. Sr.
Political Science 15 Jr. Sr.
Political Science 18 Jr. Sr.
Political Science 19 Jr. Sr.
Political Economy 12 So. Jr. Sr.
Political Economy 3 Jr. Sr.
Political Economy 8 Jr. Sr.
Political Economy 18 Jr. Sr.
Geology 9 Sr.
Anthropology 1 Sr.
Zoölogy 3 Jr. Sr.
Education 3 Jr. Sr.
" 6 Sr.

FOR CANDIDATES FOR THE DEGREE OF CIVIL ENGINEER

For Students who entered before 1902

FRESHMAN YEAR

First Term	*Second Term*	*Third Term*
Mathematics 1	Mathematics 3	Mathematics 2
*French 1 or German 4	French 2 or German 6	French 3 or German 8
Drawing 2	Drawing 3	Drawing 4
Drawing 1	Drawing 5	Drawing 6
English 1	English 2	English 3
Civil Engineering 25	Gymnasium	Civil Engineering 27
	Civil Engineering 26	

SOPHOMORE YEAR

Civil Engineering 1	Civil Engineering 2	Civil Engineering 3
Drawing 7	Civil Engineering 4	Civil Engineering 8
Mathematics 9	Mathematics 10	Civil Engineering 8a
German 1 or French A	German 2 or French B	Mathematics 12
Physics 1	Physics 2	German 3 or French C
Chemistry 1	Chemistry 2	Physics 4
	Gymnasium	Chemistry 3

JUNIOR YEAR

Civil Engineering 5	Civil Engineering 6	Civil Engineering 7
Civil Engineering 5a	Mathematics 14	Civil Engineering 28
Mathematics 13	Mechanics 4	Mechanics 6
Mechanics 3	Astronomy 4	Astronomy 5
Astronomy 3	Physics 9	Physics 10
Physics 5	Civil Engineering 16	Mathematics 31
	Gymnasium	

SENIOR YEAR

Civil Engineering 29	Civil Engineering 10	Civil Engineering 11
Civil Engineering 30	Civil Engineering 15	Civil Engineering 18
Mech. Engineering 6	Civil Engineering 31	Civil Engineering 17
Mechanics 7	Mech. Engineering 7	Civil Engineering 21
Geology 1	Mechanics 8	Civil Engineering 32
Thesis	Thesis	Thesis
	Gymnasium	

*See note, p. 52.

FOR CANDIDATES FOR THE DEGREE OF BACHELOR OF SCIENCE IN CIVIL ENGINEERING

For Students entering in 1902 and after

FRESHMAN YEAR

First Term	*Second Term*	*Third Term*
Mathematics 38	Mathematics 39	Mathematics 40
Drawing 1	Drawing 5	Drawing 6
Civil Engineering 25	Civil Engineering 26	Civil Engineering 27
English 1	English 2	English 3
French 1 or German 4	French 2 or German 6	French 3 or German 8
	Gymnasium	

SOPHOMORE YEAR

Mathematics 41	Mathematics 42	Mathematics 43
Civil Engineering 1	Civil Engineering 2	Civil Engineering 3
Physics 1	Physics 2	Physics 4
*Social Science 12	*Political Science 12	*Political Economy 12
	Gymnasium	Civil Engineering 8a,8

Also of the following courses, the subject not offered for entrance:

Chemistry 1	Chemistry 2	Chemistry 3
French A	French B	French C
German 1	German 2	German 3

JUNIOR YEAR

Civil Engineering 5, 5a	Civil Engineering 6	Civil Engineering 7
Mechanics 3	Mechanics 4	Mechanics 6
Astronomy 3	Astronomy 4	Astronomy 5
Physics 5	Physics 9	Physics 10
Physics 11	Physics 12	Physics 15
	Civil Engineering 10	Civil Engineering 17
	Gymnasium	

*Or some other course, not technical, chosen with the approval of the head of the department.

NOTE: Civil Engineering 8a is taken during spring recess.

SENIOR YEAR

Civil Engineering 28	Civil Engineering 31	Civil Engineering 21
Civil Engineering 29	Civil Engineering 15	Civil Engineering 32
Civil Engineering 30	Mech. Engineering 7	Civil Engineering 16
Mech. Engineering 6	Mechanics 8	Civil Engineering 18
Mechanics 7	†Civil Engineering 10a	Civil Engineering 11
Geology 1	Thesis	Thesis
Thesis	Gymnasium	

FOR CANDIDATES FOR THE DEGREE OF MECHANICAL ENGINEER

For students who entered before 1902

FRESHMAN YEAR

First Term	*Second Term*	*Third Term*
Mathematics 1	Mathematics 3	Mathematics 2
Drawing 1	Drawing 5	Drawing 6
Drawing 2	Drawing 3	Drawing 4
*French 1 or German 4	French 2 or German 6	French 3 or German 8
English 1	English 2	English 3
	Gymnasium	

SOPHOMORE YEAR

Mathematics 9	Mathematics 10	Mathematics 12
Drawing 7	Drawing 8	Drawing 9
Mech. Engineering 1	Mech. Engineering 10	Mech. Engineering 11
Chemistry 1	Chemistry 2	Chemistry 3
Physics 1	Physics 2	Physics 4
German 1 or French A	German 2 or French B	German 3 or French C
	Gymnasium	

JUNIOR YEAR

Philosophy 19	Philosophy 27	Philosophy 43
Mathematics 13	Mathematics 14	Mech. Engineering 9
Mechanics 3	Mechanics 4	Mechanics 6
Drawing 10	Drawing 11	Drawing 12
Mech. Engineering 12	Mech. Engineering 13	Mech. Engineering 14
Physics 5	Physics 9	Physics 10
	Gymnasium	

†Civil Engineering 10a is a continuation of Civil Engineering 10 and is subject to change.

*See note, p. 52.

SENIOR YEAR

Mechanics 7	Mechanics 8	Thesis
Mech. Engineering 3	Mech. Engineering 4	Mech. Engineering 5
Mech. Engineering 6	Mech. Engineering 7	Mech. Engineering 8
Drawing 27†	Drawing 28†	Original Design
Mech. Engineering 15	Mech. Engineering 16	
	Gymnasium	

FOR CANDIDATES FOR THE DEGREE OF BACHELOR OF SCIENCE IN MECHANICAL ENGINEERING

For Students entering in 1902 and after

FRESHMAN YEAR

First Term	*Second Term*	*Third Term*
Mathematics 38	Mathematics 39	Mathematics 40
Drawing 1	Drawing 5	Drawing 6
Civil Engineering 25	Civil Engineering 26	Civil Engineering 27
English 1	English 2	English 3
French 1 or German 4	French 2 or German 6	French 3 or German 8
	Gymnasium	

SOPHOMORE YEAR

Mathematics 41	Mathematics 42	Mathematics 43
Mech. Engineering 19	Mech. Engineering 20	Mech. Engineering 21
Physics 1	Physics 2	Physics 4
*Social Science 12	*Political Science 12	*Political Economy 12
	Mech. Engineering 10	Mech. Engineering 11
	Gymnasium	

Also, of the following courses, the subject not offered for entrance:

Chemistry 1	Chemistry 2	Chemistry 3
French A	French B	French C
German 1	German 2	German 3

† Students who desire to pursue Electrical Work may, if they so elect, substitute Physics 11, 12 and 15, for Drawing 27 and 28.

* Or some other course, not technical, chosen with the approval of the head of the department.

JUNIOR YEAR

Mech. Engineering 3	Mech. Engineering 4	Mech. Engineering 5
Mech. Engineering 9	Mech. Engineering 9a	Mech. Engineering 9b
Mech. Engineering 12	Mech. Engineering 13	Mech. Engineering 14
Drawing 10	Drawing 11	Drawing 12
Mechanics 3	Mechanics 4	Mechanics 6
Physics 5	Physics 9	Physics 10
	Gymnasium	

SENIOR YEAR

Mech. Engineering 6	Mech. Engineering 7	Mech. Engineering 8
Mech. Engineering 22	Mech. Engineering 15	Mech. Engineering 16
Drawing 27	Drawing 28	Drawing 32
Mechanics 7	Mechanics 8	Drawing 32a
Physics 11	Physics 12	Physics 15
Thesis	Thesis	Thesis
	Gymnasium	

FOR CANDIDATES FOR THE DEGREE OF BACHELOR OF SCIENCE IN ELECTRICAL ENGINEERING

FRESHMAN YEAR

First Term	*Second Term*	*Third Term*
Mathematics 38	Mathematics 39	Mathematics 40
Civil Engineering 25	Civil Engineering 26	Civil Engineering 27
English 1	English 2	English 3
French 1 or German 4	French 2 or German 6	French 3 or German 8
	Gymnasium	

SOPHOMORE YEAR

Mathematics 41	Mathematics 42	Mathematics 43
Mech. Engineering 19	Mech. Engineering 20	Mech. Engineering 21
Physics 1	Physics 2	Physics 4
*Social Science 12	*Political Science 12	*Political Economy 12
	Mech. Engineering 10	Mech. Engineering 11
	Gymnasium	

Also, of the following courses, the subject not presented for entrance:

Chemistry 1	Chemistry 2	Chemistry 3
French A	French B	French C
German 1	German 2	German 3

*Or some other course, not technical, chosen with the approval of the head of the department.

JUNIOR YEAR

Mechanics 3	Mechanics 4	Mechanics 6
Mech. Engineering 12	Mech. Engineering 13	Mech. Engineering 14
Drawing 10	Drawing 11	Drawing 12
Physics 5	Physics 9	Physics 10
Physics 11	Physics 12	Physics 15
Physics 40	Physics 41	Physics 42
	Gymnasium	

SENIOR YEAR

Mechanics 7	Mechanics 8	Civil Engineering 11
Mathematics 15	Mathematics 16	Physics 21
Physics 33	Physics 34	Physics 35
Physics 36	Physics 44	Physics 46
Physics 43	Physics 45	Physics 47
Thesis	Thesis	Thesis
	Gymnasium	

COURSES OF INSTRUCTION ARRANGED ACCORDING TO DEPARTMENTS

I. PHILOSOPHY

PHILOSOPHY AND PSYCHOLOGY

NOTE: Some one complete course in this department is required of every candidate for the degree of Bachelor of Arts or Bachelor of Philosophy. By a complete course is understood all that is grouped together as a three-hour course under a single name in the accompanying announcements, provided it consists of a year's work. The courses in Education, however, cannot be taken to satisfy this requirement.

19, 27, 43. *Logic.* Three hours. Through the year. Elective for Sophomores and for Juniors who have not taken Philosophy 19.

A study of the aims, methods and limitations of human thinking; a preparation for work in the sciences and in philosophy. First Term, general introduction and formal logic; Second Term, an examination of the principles and methods of the natural sciences; Third Term, a statement of the relations of science to philosophy, giving the philosophic interpretation and criticism of the results of science.

Professor MEIKLEJOHN

2, 3, 4. *Psychology, introductory course.* Three hours. Through the year. Elective for Juniors.

The main facts and laws of mental life; particular attention to their arrangement in a thorough and comprehensive scientific system, also to their philosophical bearing. The course is thus of value not only because of the immense importance of a knowledge of mental law for practical life, but also as a transition from the special sciences to philosophy.

Professor DELABARRE

20, 21, 22. *Psychology, advanced course.* Three hours. Through the year. Elective for Seniors and Graduates.

A seminary for the discussion of important and interesting questions in psychology. First Term, the fundamental principles of psychology; Second Term, abnormal and unusual states of consciousness; Third Term, subject undetermined.

Professor DELABARRE

[I. Philosophy, continued.]

29, 30, 31. *Experimental Psychology, introductory laboratory course.* Three hours. Through the year. Elective for Juniors, Seniors and Graduates who have taken or are taking 2, 3, 4.

Six hours of attendance. Description of the main lines and results of experimental research; demonstration of many of them by the instructor or the class; training in the use of apparatus and in careful scientific observation and measurement.

Professor DELABARRE and Mr. HALL

39, 40, 41. *Experimental Psychology, advanced and original laboratory work.* Through the year. Elective for students who have taken 29, 30, 31.

This course may be taken for any number of hours up to six in the case of undergraduates, or more in the case of graduates, with double the number of hours of attendance. The problems investigated will vary from year to year according to the interests of instructor and students, and the course may therefore be taken two or more years in succession. The aim is to make original contributions to scientific knowledge in psychology and to publish the results.

Professor DELABARRE and Mr. HALL

8, 9, 10. *History of Philosophy.* Three hours. Through the year. Elective for Juniors, Seniors and Graduates.

First Term, Greek philosophy; Second Term, mediæval and early modern philosophy; Third Term, recent and contemporary philosophy. The successive philosophical systems in their dialectical developments and mutual relations; treatment not merely analytic and historical, but synthetic and constructive as well.

Professor EVERETT

5, 23. *Theoretical Ethics.* Three hours. First and Second Terms. Elective for Seniors and Graduates.

Intended to aid in mastering the fundamental problems of life and character. First Term, a discussion of the nature and relations of ethics and an outline of the history of the chief ethical systems; Second Term, a critical study of the fundamental concepts of ethics with the aim of constructing a tenable theory of conduct.

Professor EVERETT

[I. Philosophy, continued.]

44. *Practical Ethics.* Three hours. Third Term. Elective for Seniors and Graduates.

Intended to apply ethical theory to the life of the individual, the family and the state. Discussion of current problems, personal, industrial and social, from the ethical standpoint.

President FAUNCE

[26. *Outlines of the History of Religion.* Two hours. Second Term. Elective for Seniors and Graduates.] Not offered in 1901–02.

The great religious systems of the world, chiefly in their philosophical aspects.

Professor EVERETT

24. *Philosophy of Religion.* Three hours. Third Term. Elective for Seniors and Graduates who have had previous philosophical training.

An investigation of the ultimate grounds of religious belief.

Professor EVERETT

14, 28, 42. *Philosophical Seminary.* Two hours. Through the year. Elective for Graduates.

Lectures, papers and discussions on the more difficult problems of philosophy. Subject for 1901-1902: Studies in Contemporary Philosophy. Some of the most important recent contributions to philosophical literature will be critically studied.

Professor EVERETT

[17. *Discussions in Casuistry.* One hour. Second Term. Elective for Seniors and Graduates.] Not offered in 1901–02.

Intended to aid in clearly formulating views upon different problems of the moral life.

Professor MEIKLEJOHN

33, 34, 35. *Kantian and Post-Kantian Philosophy.* Three hours. Through the year. Elective for Seniors who have taken Philosophy 8, 9, 10, and for Graduates.

Kant's Critique of Pure Reason will be studied as the source of German Rationalism. The same line of thought will be traced in the Critique of Practical Reason, and in the works of Fichte, Schelling and Hegel.

Professor MEIKLEJOHN

[I. Philosophy, continued.]

Philosophical Club. A Philosophical Club, consisting of Graduate, Senior and Junior students of Philosophy in all its branches, has been formed for the encouragement of the independent discussion of philosophical questions and for the fostering of a more intelligent interest in the subject. The club meets once a month for the reading of papers and for free discussion. Though the organization is primarily in the hands of the students, the officers of instruction in the philosophical department, as well as other persons interested in philosophy, are usually present to take part in the proceedings.

EDUCATION

Professor JACOBS

1. *History of Educational Theories and Institutions.* Three hours. First Term. [Second Term, 1901–02.] Elective for Juniors, Seniors and Graduates.

Education among the Greeks and the Romans; the rise and constitution of Universities; Erasmus and the Humanists; Comenius and the Realists; Rousseau and the Naturalists; Psychologizing Education, Pestalozzi, Froebel, Herbart.

[2. *A Critical Study of Modern Education.* Three hours. Second Term. Elective for Juniors, Seniors and Graduates.] Not offered in 1901–02.

3. *The Fundamental Principles of Education.* Three hours. Third Term. Elective for Juniors, Seniors and Graduates.

The meaning and aim of education; the sequence and coördination of studies; the principles of instruction as derived from psychology; apperception; the steps in method; the use of the type in instruction; the training of the will and the principles of moral education.

NOTE: Courses 1, 2 and 3 treat of education in its relation to the individual, and to the social and political whole, and hence are of interest to all students, whether they intend to teach or not. At the same time they form a proper and necessary introduction to the professional courses which follow. Those who intend to teach are recommended to elect these courses during the Junior year.

[I. Philosophy, continued.]

4. *The Psychology of Education.* Three hours. First Term. [Second Term, 1901–02.] Elective for Seniors and Graduates.

The principles of psychology applied to method in education and instruction.

[5. *The Hygiene of Education.* Three hours. Second Term. Elective for Seniors and Graduates.] Not offered in 1901–02.

The hygiene of growth. Play and fatigue. Sight and hearing. School diseases. School architecture. Warming, ventilating and lighting. Sanitation. School furniture. School programmes.

6. *Practical Introduction to Teaching.* Three hours. Third Term. Elective for Seniors and Graduates.

Organization of school systems. Management and discipline of classes. Observation of good teaching. Practical applications in method.

NOTE: *Teacher's Certificates.* The above courses, 1-6, cover the requirements in professional studies for certificates of the First Grade in all states except where practice teaching or experience is demanded. In Rhode Island, *the holding of a certificate is required of all teachers* in schools supported in whole or in part by public money. Certificates of the First Grade are granted without examination to those who have completed the above courses and hold a college degree.

NOTE: Those who have completed courses 1-6 and hold a college degree are eligible to appointment in the Primary and Grammar Training Schools of Providence, under especially favorable conditions.

7. *A Study of Educational Values.* Two hours. First Term. Seminary course. Required of student-teachers. Elective for Graduates and experienced teachers.

A careful consideration of the importance and meaning of the chief subjects taught in Secondary Schools.

8. *Method as Applied to Typical Secondary School Studies.* Two hours. Second Term. Seminary course. Required and elective as in 7.

Methods of teaching English, Latin, Modern Languages, Mathematics, History, Science.

[I. Philosophy, continued.]

9. *Organization, Equipment and Management of Secondary Schools.* Two hours. Third Term. Required and elective as in 7.

A seminary course.

10, 11, 12. *Problems in Practical Teaching.* Practice teaching. Control and conduct of classes, plans for single lessons, and for "method-wholes," observation of the work of experienced teachers, reports, private conferences, theses upon practical questions of educational work.

NOTE: Opportunity for practice teaching in the High Schools of the city is given to capable graduate students, and in the Grammar Schools to a limited number of Seniors, preparing to teach in the Grades or to fill places as principals or superintendents.

The Seminary in Education, conducted by Professor Jacobs, and limited to graduate students and experienced teachers, holds meetings for the discussion of contemporary problems.

NOTE: Student-Teachers. By special arrangement with the School Committee of the City of Providence, student-teachers are appointed to places in the Providence High Schools. Appointments are made from members of the Senior class who have pursued the undergraduate courses in Education. These student-teachers are of two types. Those of the first type—of whom there are at least six (three of each sex)—under the guidance and direction of experienced teachers, have the control and conduct of classes. The time required each day is somewhat more than half the usual school session. They receive from the city $400 for their services for the year. Those of the second type are occupied in a similar way for from three to five hours a week. They receive no remuneration from the city. An unusual opportunity is thus afforded student-teachers to gain a thorough knowledge of the theory of education and at the same time practical experience in the art of teaching. In making appointments to places as teachers of the lowest grade in the Providence High School, preference is given to those who have successfully accomplished the course as student-teachers. In this respect student-teachers of the second type have the same status before the committee that makes appointments as those of the first type.

II. HISTORY

EUROPEAN HISTORY

Professor MUNRO

1. *General Mediæval History of Europe.* Three hours. First Term. Required of all Juniors.

2. *General Modern History of Europe.* Three hours. Second Term. Required of all Juniors.

NOTE: In courses 1 and 2 a text-book is used, mainly as a syllabus. Daily lectures supplement this work. Reports on assigned topics are required from all students. The other courses in European History are lecture courses.

15. *Islam and the Crusades.* Three hours. First Term. Elective for Juniors, Seniors and Graduates.

11. *The Period of the Renaissance.* Three hours. Second Term. Elective for Juniors, Seniors and Graduates.

3. *The Period of the Reformation.* Three hours. Third Term. Elective for Juniors, Seniors and Graduates.

16. *The French Revolution.* Three hours. Third Term. Elective for Juniors, Seniors and Graduates.

[18. *Spanish History.* Three hours. Third Term. Elective for Juniors, Seniors and Graduates.] Not offered in 1901–02.

The Seminary in European History, conducted by Professor Munro, and limited to a small number of Advanced Students, holds meetings devoted to the discussion of topics previously assigned.

ENGLISH AND AMERICAN HISTORY

Professor MACDONALD

4. *English Constitutional and Political History to 1509.* Three hours. First Term. Elective for Juniors and Seniors.

5. *English Constitutional and Political History, 1509-1689.* Three hours. Second Term. Elective for Juniors and Seniors.

6. *English Constitutional and Political History since 1689.* Three hours. Third Term. Elective for Juniors and Seniors.

[II. History, continued.]

7. *Constitutional and Political History of the United States to 1763.* Three hours. First Term. Elective for Seniors.

8. *Constitutional and Political History of the United States, 1763-1829.* Three hours. Second Term. Elective for Seniors.

9. *Constitutional and Political History of the United States since 1829.* Three hours. Third Term. Elective for Seniors.

[10. *Principles of Historical Criticism.* One hour. Through the year. Elective for Graduates.] Not offered in 1901-02.

[13. *History of Historical Writing in Modern Europe.* One hour. Through the year. Elective for Graduates.] Not offered in 1901-02.

[17. *Historical Bibliography.* One hour. Through the year. Elective for Graduates.] Not offered in 1901-02. To be offered in 1902-03.

12. *Practical Course in English History.* One hour. Through the year. Elective for Graduates.

In 1901-02, the Beginnings of party government in England.

14. *Practical Course in American History.* One hour. Through the year. Elective for Graduates and for Seniors who are taking 7, 8 and 9.

In 1901-02, the Eve of the Revolution, 1763-1775.

The Historical Seminary, conducted by Professor MacDonald, and including the Graduate Students of history and a few of the most advanced Undergraduates, holds three times a week meetings devoted to original papers, to reports upon studies of methods, and to the historical reviews and journals.

III. SOCIAL AND POLITICAL SCIENCE

NOTE: *The courses in this department, other than 12, are open only to those students who have passed in Social Science 12 (first term), Political Science 12 (second term), and Political Economy 12 (third term), which together constitute a single course introductory to the departments of Social and Political Science and Political Economy.*

[III. Social and Political Science, continued.]

Courses offered in 1901–02, but not to be offered in 1902–03:

First Term.	*Second Term.*	*Third Term.*
Political Science 13. National Administration	Political Science 14. Local and Colonial Administration	Political Science 15. Municipal Government
Political Science 1. Problems of the state	Political Science 17. American Political Problems	Political Science 18. Political Parties
Social Science 14. Social Statistics	Social Science 13. History of Socialism	Social Science 11. Study of Races
Social Science 5. History of Social Ideas		Social Science 4. The Social Ideal
	Political Science 6. Principles of Roman Law	Political Science 19. Spanish American Governments

Courses not offered in 1901–02, but to be offered in 1902–03:

Political Science 3. International Law	Political Science 7. Foreign Diplomacy	Political Science 11. American Diplomacy
Political Science 4. Government of the United States	Political Science 16. Constitutional Law	Political Science 2. Important European Governments
Social Science 10. Social Institutions	Social Science 2. Social Problems	Social Science 3. American Social Problems
Social Science 1. Principles of Sociology	Social Science 15.	Social Science 14. Social Statistics
		Political Science 5. Development of Political Theory

Courses for Graduates only:

Social Science 7	Social Science 8	Social Science 9
Political Science 8	Political Science 9	Political Science 10

SOCIAL SCIENCE

12. *Elementary Course.* Three hours. First Term. Elective for Sophomores, Juniors and Seniors.

Professor WILSON

[III. Social and Political Science, continued.]

[1. *The Principles of Sociology.* Three hours. First Term.]
Dr. WILLETT

[2, 3. *Social Problems and Conditions.* Three hours. Second and Third Terms.]
Professor WILSON

4. *Social Philosophy.* Three hours. Third Term.
Professor DEALEY

5. *Development of Social Theory.* Three hours. First Term.
Professor DEALEY

7, 8, 9. *Current Social Theory and Practice.* One hour. Through the year. Elective for Graduates.
Professors WILSON and DEALEY

[10. *Social Institutions.* Three hours. First Term.]
Development, Forms, Importance, as shown in the Family, Church, School, etc.
Professor DEALEY

11. *Demography.* Three hours. Third Term.
Dispersion of Races. Social study of race characteristics.
Dr. WILLETT

13. *Socialism.* Three hours. Second Term.
Ancient and Modern. Especial attention to present phases of the theory.
Dr. WILLETT

14. *Social Statistics.* Three hours. First Term.
Method of gathering and handling data in the study of social problems and conditions.
Dr. WILLETT

POLITICAL SCIENCE

12. *Elementary.* Three hours. Second Term. Elective for Sophomores, Juniors and Seniors who have passed in Social Science 12.
Professor DEALEY

1. *The State.* Three hours. First Term.
Professor DEALEY

[III. Social and Political Science, continued.]

[2. *Comparative Study of Constitutions.* Three hours. Third Term.]

Professor DEALEY

[3. *International Law and Relations.* Three hours. First Term.]

Professor WILSON

[4. *United States Constitutions.* Three hours. First Term.]

Professor DEALEY

5. *Development of Political Theory.* Three hours. Third Term.

Professor DEALEY

6. *Roman Law.* Three hours. Second Term.

Professor DEALEY

[7. *Diplomacy.* Three hours. Second Term. Elective for students who have completed Political Science 3.]

Art and practice of international negotiation.

Professor WILSON

8, 9, 10. *Current Political Theory and Practice.* One hour. Through the year. Elective for Graduates.

Professors WILSON and DEALEY

[11. *Diplomacy.* Three hours. Third Term. Elective for students who have completed Political Science 3.]

American development and problems.

Professor WILSON

13. *Administration.* Three hours. First Term.

Principles and national systems.

Professor WILSON

14. *Administration.* Three hours. Second Term. Elective for students who have completed Political Science 13.

Local and colonial.

Professor WILSON

15. *Municipal Functions and Administration.* Three hours. Third Term.

Professor WILSON

[16. *Constitutional Law.* Three hours. Second Term.]

Principles and development, with special reference to Constitution of the United States.

Professor DEALEY

[III. Social and Political Science, continued.]

17. *Political Problems.* Three hours. Second Term.
With special reference to the United States.
Professor WILSON

18. *Political Parties.* Three hours. Third Term.
Their development in the United States and Europe.
Professor WILSON

19. *The Spanish Republics.* Three hours. Third Term.
Their governments and social conditions.
Professor DEALEY

ELEMENTARY LAW

Mr. BARROWS

[1. *Persons and Personal Property.* Three hours. First Term. Elective for Juniors and Seniors.] Not offered in 1901-02.

NOTE: Groups 1, 2, 3, and 4, 7, 8 are given in alternate years. In 1901-02 the courses given will be 4, 7, 8. Courses 1, 2, 3 will be offered in 1902-03. Courses 5, 6, 9 will for the present be omitted. These groups should be taken consecutively, beginning in the Junior year. While the primary purpose of these courses is to cultivate a legal mind, yet they prepare thorough students to enter most law schools with advanced standing and possibly to shorten their law course by one year; they also give a good foundation to the student who expects to prepare for the bar in a law office.

[2. *Real Property.* Three hours. Second Term. Elective for Juniors and Seniors.] Not offered in 1901-02.

[3. *Contracts.* Three hours. Third Term. Elective for Juniors and Seniors.] Not offered in 1901-02.

4. *Torts and Criminal Law.* Three hours. First Term. Elective for Juniors and Seniors.

7. *Equity.* Three hours. Second Term. Elective for Juniors and Seniors.

8. *Equity.* Three hours. Third Term. Elective for students who have passed in 7.

[9. *Historical Development of the Common Law.* Three hours. First Term. Elective for Juniors and Seniors.] Not offered in 1901-02.

[III. Social and Political Science, continued.]

[5. *Common Law Practice and Pleading.* Three hours. Second Term. Elective for Juniors and Seniors.] Not offered in 1901-02.

[6. *Evidence.* Three hours. Third Term. Elective for Juniors and Seniors.] Not offered in 1901-02.

IV. POLITICAL ECONOMY

12. *Political Economy, elementary.* Three hours. Third Term. Elective for Sophomores, Juniors and Seniors who have passed in Social Science 12 and Political Science 12.

Professor GARDNER

NOTE: *The courses in this department, other than 12, are open only to those students who have passed in Social Science 12 (first term), Political Science 12 (second term), and Political Economy 12 (third term), which together constitute a single course introductory to the departments of Social and Political Science and Political Economy.*

1, 2, 3. *General Economics.* Three hours. Through the year. Elective for Juniors and Seniors.

Based on Hadley's Economics.

Professor GARDNER and Dr. WILLETT

NOTE: All students who, having taken the introductory courses, intend to continue work in this department are strongly advised to begin with 1, 2, 3. Other courses may, if desired, be taken advantageously at the same time. These courses take the place of 13, 14, previously offered.

6, 7. *Money and Banking.* Three hours. First and Second Terms. Elective for Juniors, Seniors and Graduates.

With special reference to the history of money and banking in the United States.

Professor GARDNER

6a, 7a. Three hours. First and Second Terms. To be taken only in connection with 6 and 7. See note after 18.

Professor GARDNER and Dr. WILLETT

15. *The Labor Movement.* Three hours. First Term. Elective for Juniors, Seniors and Graduates.

With special reference to Trade Unions.

Dr. WILLETT

[IV. Political Economy, continued.]

15a. Three hours. First Term. To be taken only in connection with 15. See note after 18.

Professor GARDNER and Dr. WILLETT

16. *Industrial Corporations, their history, significance and regulation.* Three hours. Second Term. Elective for Juniors, Seniors and Graduates.

Special attention given to railways and other quasi-public corporations and to the recent tendency to industrial combinations.

Professor GARDNER

16a. Three hours. Second Term. To be taken only in connection with 16. See note after 18.

Professor GARDNER and Dr. WILLETT

8. *Industrial Life in the United States.* Three hours. Third Term. Elective for Juniors, Seniors and Graduates.

A study of the existing organization of industry and recent industrial developments in this country.

Professor GARDNER

18. *History of Economic Thought.* Three hours. Third Term. Elective for Juniors, Seniors and Graduates.

Dr. WILLETT

NOTE: In connection with courses 6, 7, 15, 16, students will be permitted to take additional work principally of the nature of the statistical investigation of special problems and the formulation of results in diagrams. This additional work will require six hours of attendance, as in laboratory courses, and will count for three hours. These additional courses are designated 6a, 7a, 15a, 16a respectively.

With the exception of 12, 1, 2 and 3, which will be given every year, some or all of the above courses will be omitted in 1902–03 and their places filled by other courses.

V. THE FINE ARTS

HISTORY AND CRITICISM

Professor POLAND

1. *Ancient Art or Classical Archæology.* Three hours. First Term. Elective for Juniors, Seniors and Graduates.

A general course in the history of ancient art, chiefly Greek. Text-book; lectures illustrated by casts, slides, photographs and engravings; collateral reading.

[V. The Fine Arts, continued.]

NOTE: Courses 1, 4 and 6 may be taken independently, but students are advised to elect all three in the above order. Students are strongly advised to take 1, if possible, before any other course in the History of Art.

4. *Roman, Early Christian and Mediæval Art.* Three hours. Second Term. Elective for Juniors, Seniors and Graduates.

Study of Roman, Romanesque and Gothic art, with some notice of Byzantine, Arabian and Oriental art.

6. *Art of the Renaissance.* Three hours. Third Term. Elective for Juniors, Seniors and Graduates.

The fifteenth and sixteenth centuries. The effect on art of the dominant motives of the epoch, the development of art in the different countries of Europe, the great masters and their most significant works. Text-book, lectures, lantern views.

NOTE: Courses 6, 7, 9 and 8 form a consecutive outline.

14, 15, 16. *Practical Work in Art supplementary to the History of Art.* Three hours. Through the year. Elective for students who are taking, or who have passed in History of Art 1, 4, 6, and who have also passed in Drawing 2, 3, 4.

Six hours of drawing or other practical work, to illustrate the principles of delineation, color and chiaroscuro, and the principles of design in architecture, sculpture and painting, as exemplified in the historic forms of art.

This course will be given at the Rhode Island School of Design.

7, 9. *Modern Art.* Three hours. First and Second Terms. Elective for Juniors, Seniors and Graduates who have passed in 6.

First Term, the seventeenth and eighteenth centuries; Second Term, the nineteenth century.

8. *Theory and Criticism of the Fine Arts.* Three hours. Third Term. Elective for students who have passed in any course in the History of Art.

A study of the more important facts and laws of artistic production.

[10. *Seminary in Classical Architecture.* Elective for Graduates.] To be offered in 1902–03.

Critical study; Vitruvius read in the original Latin; discussion of the principles followed by the Greek and Roman architects, and of the influence of Vitruvius in the Renaissance.

[V. The Fine Arts, continued.]

NOTE: Courses 10, 11 and 3 are critical courses in classical archæology, especially useful to those who wish to do advanced work in classical archæology, philology or history.

11. *Seminary in Greek and Roman Sculpture.* Elective for Graduates.

Critical study of the sources, through use of selected passages from Greek and Roman authors as presented in Overbeck's *Antike Schriftquellen*, and of casts, photographs and other reproductions of the extant monuments. Elaboration of assigned topics. Lectures.

[3. *Seminary Study of the Acropolis of Athens.* Elective for Graduates.] To be offered in 1902-03.

Critical reading, in the Greek, of Pausanias' account of the Acropolis of Athens; lectures and illustrations.

[12. *Seminary in Renaissance Art.* Elective for Graduates.] Not offered in 1901–02.

Critical study of the art of the fifteenth and sixteenth centuries, particularly in Italy. The general spiritual conditions, the influences prevalent in art, a more detailed study of the great masters than in 6, which must be taken (or its equivalent) before this course.

MUSIC

Professor ASHTON

1, 2, 3. *Harmony.* Three hours. Through the year. Elective for Sophomores, Juniors and Seniors.

First Term, the construction and connection of chords, the writing of exercises; Second Term, modulation, non-harmonic notes, harmonization of melodies; Third Term, analysis of harmony in compositions by the best writers, the study of melody, the writing of compositions.

NOTE: Courses 1 to 9 inclusive are sequential and must be taken in order.

4, 5, 6. *Counterpoint.* Three hours. Through the year. Elective for students who have passed with credit in 1, 2, 3.

Study of the rules of counterpoint; constant practice in contrapuntal writing; analysis of works by the best contrapuntal writers.

[V. The Fine Arts, continued.]

[7, 8, 9. *Composition.* Three hours. Through the year. Elective for students who have passed with credit in 4, 5, 6.] Not offered in 1901–02.

Composition of music in both strict and free forms; musical analysis; study of instrumentation.

[14. *Musical Introduction.* Three hours. Second Term. Elective for Juniors and Seniors who have not passed in or who are not taking 10, 11, 12.] Not offered in 1901–02.

A general course which considers such of the elements of music and the principles of musical composition as will enable the student to listen to music with intelligent interest and genuine profit.

15. *Music and Musicians of the Nineteenth Century.* Three hours. Third Term. Elective for Juniors and Seniors who have not passed in or who are not taking 10, 11, 12.

A general course to acquaint the student with the life, works, and style of Beethoven, Schubert, Schumann, Mendelssohn, Wagner and other famous composers of the nineteenth century.

[10, 11, 12. *Structure and History of Music.* Three hours. Through the year. Elective for Juniors, Seniors and Graduates.] Not offered in 1901-02.

Lectures on the history of music from the earliest times down to the present, accompanied by an analysis of representative compositions.

[13. *Sacred Music.* Three hours. Third Term. Elective for Juniors and Seniors.] Not offered in 1901-02.

The history of sacred music and a study of music in its application to religious worship. Designed for those who are to be intrusted with the direction of church music.

20, 21, 22. *The Symphony.* Three hours. Through the year. Elective for Graduates.

Study of the evolution of the symphony orchestra and of the works of symphonists from Haydn to Brahms and Tschaikowsky.

VI. INDO-EUROPEAN PHILOLOGY

Professor ALLINSON

1. *General Introduction to the Study of Language.* Three hours. Second Term. Elective for Juniors and Seniors.

Outline of the history of language. The Indo-European family. Adapted for students of ancient or modern languages.

[VI. Indo-European Philology, continued.]

[4. 5. *Sanskrit, elementary.* Three hours. First and Second Terms. Elective for Juniors, Seniors and Graduates.] Not offered in 1901-02.

[6. *Sanskrit.* Three hours. Third Term. Elective for students who have passed in 4 and 5, or an equivalent.] Not offered in 1901-02.

Selections from the Vedic Hymns.

[7, 8. *Seminary in Comparative Philology.* One two-hour session weekly. First and Second Terms. Elective for Graduates and qualified Seniors.] Not offered in 1901-02.

NOTE: This course may be continued in the Third Term as an alternate for Greek 36.

10, 11, 12. *Sanskrit, advanced.* One hour. Through the year. Elective for students who have passed in 4, 5, 6, or an equivalent.

Vedic Hymns and other selections.

VII. GREEK LITERATURE AND HISTORY

A, B, C. *Elementary.* Four hours. Through the year.

Mr. HALLETT

For the benefit of those who have been prevented from obtaining Greek before entering college. Aims to cover, with mature students, as much as possible of the entrance requirements in Greek. It is hoped that earnest and mature students will be able to make such progress, during the academic year, in reading Xenophon that they will be able, by private study during the following long vacation, to complete four books of the Anabasis before the beginning of the next academic year. They might then take up with the Freshman class the reading of the regular prose Greek, and, by additional study, complete before the following spring term, the entrance requirements in Homer, and thus be enabled to continue with the Freshman class in Homer also.

1. *Lysias.* Three hours. *Greek History.* One hour. First Term. Required of candidates for the degree of Bachelor of Arts.

Lysias, select orations and practice in sight reading.

Professors MANATT, ALLINSON and GREENE, Mr. HALLETT

[VII. Greek Literature and History, continued.]

2. *Plato.* Three hours. *Greek History.* One hour. Second Term. Required of candidates for the degree of Bachelor of Arts.

Plato's Apology and Crito, with other selections for sight reading. The fourth hour is devoted to illustrated historical lectures in connection with the reading of a standard work on Greek history.

Professors MANATT, ALLINSON and GREENE, Mr. HALLETT

3. *Homer.* Three hours. *Greek Language and Literature.* One hour. Third Term. Required of candidates for the degree of Bachelor of Arts.

The Odyssey, four books, rapid reading of other books; lectures on the life of the Heroic Age as revealed in the poems and illustrated by recent archæological research.

Professors MANATT and ALLINSON, Mr. HALLETT

4. *Herodotus.* Three hours. First Term. Elective for Sophomores.

Books VI and VII, with collateral reading of Æschylus' Persians and Plutarch's Themistocles and Aristides in English.

Professor MANATT

6. *Dramatic Poets.* Three hours. Second Term. Elective for Sophomores.

Lectures on the Greek Drama; Æschylus' Prometheus; Aristophanes' Clouds.

Professor ALLINSON

5. *Lucian.* Three hours. Third Term. Elective for Sophomores.

Selections from Lucian.

Professor ALLINSON

[7, 8, 9. *Historians.* Three hours. Through the year. Elective for Juniors and Seniors who have completed 1-6 or equivalent work.] Not offered in 1901-02.

Herodotus, Thucydides and Xenophon; parallel reading from Plutarch's Lives; outline sketch of Greek history down to the present day.

Professor MANATT

[10. *Isæus.* Three hours. First Term. Elective for students who have completed 1-6 or equivalent work.] Not offered in 1901-02.

The extant speeches read and discussed in their bearings on Athenian family life and testamentary law; collateral reading, Jebb's Attic Orators.

Professor MANATT

[VII. Greek Literature and History, continued.]

11. *Demosthenes.* Three hours. First Term. Elective for Graduates.

Private Speeches, selected to illustrate the workings of Athenian institutions.

Professor MANATT

12. *Demosthenes.* Three hours. Second Term. Elective for Juniors and Seniors.

Speeches on the Crown; study of the Macedonian period and of Athenian political life.

Professor MANATT

[13, 14, 15. *Homer.* Three hours. Through the year. Elective for Juniors and Seniors.] Not offered in 1901-02.

The Odyssey, portions of the Iliad and the Hymns in the original, the remainder of the poems in translation.

Professor MANATT

[16. *Plato and Æschylus.* Three hours. First Term. Elective for Juniors and Seniors.] Not offered in 1901-02.

Republic, book X; selections from books I-IX.

Agamemnon, with readings from other plays.

Professor ALLINSON.

[17. *Hesiod and the Homeric Hymns.* Three hours. Second Term. Elective for Juniors and Seniors.] Not offered in 1901-02.

Professor MANATT

[18. *Theocritus.* Three hours. Third Term. Elective for Juniors and Seniors.] Not offered in 1901-02.

Professor MANATT

23, 24. *Modern Greek.* One hour. Second and Third Terms. Elective for Sophomores, Juniors and Seniors.

Professor MANATT

[28. *Lucian.* Three hours. First Term. Elective for Juniors and Seniors.] Not offered in 1901-02.

The *Vera Historia*, and volume III of the Teubner Text edition.

Professor ALLINSON

44. *Homer.* Three hours. Third Term. Elective for Juniors and Seniors.

Professor MANATT

45. *The Drama.* Three hours. First Term. Elective for Juniors and Seniors.

Euripides' Medea and Aristophanes' Frogs; with rapid reading of one play of Æschylus for literary criticism.

Professor ALLINSON

[VII. Greek Literature and History, continued.]

43, 46. *Greek Composition, advanced.* One hour. Second and Third Terms. Elective for Sophomores, Juniors and Seniors.

Practice in prepared and in extemporaneous writing of Greek. For those who intend to teach or otherwise to specialize in the classics.

Professor ALLINSON

[25, 26. *Thucydides.* One two-hour session weekly. First and Second Terms. Elective for Graduates and approved Seniors.] Not offered in 1901-02.

Reading of the narrative entire with selections from the speeches, outline study of Greek history from the earliest times down to the present day; with special attention to topography, politics, and historical sources.

Professor MANATT

32. *Attic Orators.* Two hours. First Term. Elective for Graduates and approved Seniors.

Isæus. Greek historical inscriptions.

Professor MANATT

34, 35, 36. *Greek Seminary.* One two-hour session weekly. Through the year. Elective for Graduates and approved Seniors.

First Term (a) Demosthenes. Private Speeches.
Second Term (b) Aristophanes or Sophocles.
Third Term (a) or (b) Sophocles or Comic Fragments.

Professor MANATT (a) and Professor ALLINSON (b)

[41, 42. *Homer and Mycenæan Archæology.* Two hours. First and Second Terms. Elective for Graduates and approved Seniors.] Not offered in 1901-02.

Professor MANATT

NOTE: This may be elected in place of 32.

VIII. ROMAN LITERATURE AND HISTORY

1. *Livy.* Four hours. First Term. Required of candidates for the degree of Bachelor of Arts.

Professors HARKNESS and GREENE and Mr. SHIPPEE

NOTE: While grammatical study and literary criticism receive attention in this as in the other courses of the Freshman year, the special aim is to enable the student to acquire facility in reading and to instruct him in the use of the Latin texts as a means of acquiring a knowledge of Roman history.

[VIII. Roman Literature and History, continued.]

2. *Cicero's Letters.* Four hours. Second Term. Required of candidates for the degree of Bachelor of Arts.

Professors HARKNESS and GREENE and Mr. SHIPPEE

3. *Tacitus' Germania and Agricola.* Four hours. Third Term. Required of candidates for the degree of Bachelor of Arts.

Professor GREENE and Mr. SHIPPEE

4. *Horace's Odes and Epodes.* First Term. Elective for Sophomores.

Professor GREENE

NOTE: In this as in the other Sophomore courses, the literary side of the study is made prominent. A part of the time is occupied with a critical study of the poems, while a part is devoted to rapid reading with a view to comprehending the spirit of the authors. Lectures are given by the instructor, and literary topics are assigned to the class for special study.

5. *Catullus, Tibullus and Propertius.* Three hours. Second Term. Elective for Sophomores.

Professor GREENE

6. *Satires of Horace and Juvenal.* Three hours. Third Term. Elective for Sophomores.

Professor HARKNESS

7. *Origin of Latin Poetry and Development of the Drama.* Three hours. First Term. Elective for Juniors and Seniors.

Readings from Plautus and Terence.

Professor HARKNESS

NOTE: The advanced courses open to Juniors and Seniors relate to the development and history of Roman literature. Poetry and prose are discussed in alternate years. The aim of these courses is to give a connected and comprehensive view of the entire range of Roman literature. Lectures are given on the lives and writings of the authors, and characteristic selections are read. Topics in literary history and criticism are assigned to members of the class for special study and investigation.

8. *Poetry of the Republic, continued, and poetry of the Augustan Age.* Three hours. Second Term. Elective for Juniors and Seniors.

Readings from Lucretius and other authors of this period.

Professor HARKNESS

[VIII. Roman Literature and History, continued.]

9. *Poetry of the Silver Age.* Three hours. Third Term. Elective for Juniors and Seniors.

Professor HARKNESS

[11. *Prose of the Republican Period.* Three hours. First Term. Elective for Juniors and Seniors.] Not offered in 1901-02.

Development of oratory; readings from specimens of Early Latin, from Cicero's Brutus, and from Quintilian.

Professor HARKNESS

[12. *Prose of the Augustan Age.* Three hours. Second Term. Elective for Juniors and Seniors.] Not offered in 1901-02.

Development of historical writing; readings from the historians.

Professor HARKNESS

[13. *Prose of the Silver Age.* Three hours. Third Term. Elective for Juniors and Seniors.] Not offered in 1901-02.

Roman philosophers; readings from Seneca and other authors of this period.

Professor HARKNESS

37, 38, 39. *Latin Composition.* One hour. Through the year. Elective for Sophomores, Juniors and Seniors.

Professor GREENE

10, 14, 15. *Private Life and Antiquities of Rome.* One hour. Through the year. Elective for Juniors, Seniors and Graduates.

Professor HARKNESS

[31, 32, 33. *Roman Architecture and Topography.* One hour. Through the year. Elective for Juniors, Seniors and Graduates.] Not offered in 1901-02.

Illustrated by photographs, slides, etc.

Professor HARKNESS

16, 17, 18. *Petronius, Pliny the Younger, Martial.* One hour. Through the year. Elective for Juniors, Seniors and Graduates.

Professor HARKNESS

[VIII. Roman Literature and History, continued.]

[19, 20, 21. *Epigraphy.* Two hours. Through the year. Elective for Graduates and qualified Undergraduates.] Not offered in 1901-02.

Study of epigraphical alphabets, illustrated by Huebner's *Exempla Scripturæ Epigraphicæ Latinæ;* introductory lectures preparatory to the investigation of special topics in the *Corpus Inscriptionum Latinarum;* investigation by the class of special questions relating to the Latin language and to Roman life.

Professor HARKNESS

[22, 23, 24. *Palæography and Textual Criticism.* Two hours. Through the year. Elective for Graduates and qualified Undergraduates.] Not offered in 1901-02.

Lectures illustrated by fac-similes of manuscripts, critical study of authors with special reference to the manuscripts and to the establishment of the correct text.

Professor HARKNESS

40, 41, 42. *Seminary in Prose Writers of the Empire.* Two hours. Through the year. Elective for Graduates.

A study of the history of prose style during the Empire; readings from Gudeman: Latin Literature of the Empire, volume I, Prose.

Professor HARKNESS

IX. ENGLISH LITERATURE AND LANGUAGE

1, 2, 3. *Rhetoric and Composition.* Four hours. Through the year. Required of all Freshmen who are not candidates for the degree of Bachelor of Arts, and of all Sophomores who have not taken the subject in the Freshman year.

Professors DAMON and BENEDICT, Messrs. LATHAM, CHACE, HERSEY and WILLIAMSON

4, 5, 6. *Argumentative Composition.* One hour. Through the year. Required of all Juniors. English 2, 3, a prerequisite.

Professors DAMON and BENEDICT, Messrs. LATHAM, CHASE and HERSEY

7, 8, 9. *English Composition, advanced.* Three hours. Through the year. Elective for a limited number of students who have passed in 1, 2, 3.

Professor DAMON

[IX. English Literature and Language, continued.]

11, 12. *Debate.* Three hours. Second and Third Terms. Elective for a limited number of Juniors, Seniors and Graduates who have passed in at least one term of argumentation.

Juniors may substitute one term of this course for 5, 6.

Professors GARDNER, DEALEY and CROSBY

13, 14, 15. *Public Speaking.* Three hours. Through the year. Elective for all Undergraduates.

Vocal interpretation of literature; declamations; extempore speaking; orations; individual training in voice culture.

Professor CROSBY

16, 17, 18. *English Literature, introductory.* Three hours. Through the year. Elective for Sophomores, Juniors and Seniors.

Designed to cultivate an intelligent appreciation of the greater poets and prose-writers, and to give a general knowledge of the history of English literature.

Professor BRONSON

19, 20, 21. *Old English.* Three hours. Through the year. Elective for Sophomores, Juniors and Seniors.

The essentials of Anglo-Saxon grammar. Prose selections. Béowulf.

Professor POTTER

22, 23, 24. *Middle English.* Three hours. Through the year. Elective for students who have passed in 19, 20, 21.

Professor POTTER

25, 26, 27. *Chaucer.* Three hours. Through the year. Elective for Sophomores, Juniors and Seniors.

In the first and second terms the work will be mainly linguistic, aiming to enable the student to read Chaucer intelligently. The third term will be devoted to somewhat rapid reading in Chaucer, Langland, and Gower, and to the study of Chaucer's art as poet and metrist, and of his influence on English poetry.

Professor BENEDICT

28, 29, 30. *Historical Grammar of the English Language.* Three hours. Through the year. Elective for students who have passed in 19, 20, 21, or 25, 26, 27.

Professor POTTER

[IX. English Literature and Language, continued.]

[31, 32, 33. *English Literature, exclusive of the Drama, from 1400 to 1600.* Three hours. Through the year. Elective for students who have passed in 16, 17, 18.] Not offered in 1901-02.

Mediæval literary forms and the literature of the Renaissance; romances, ballads, allegory, miracle-plays, early versions of the Bible, Mandeville's Travels, Malory's Morte Darthur, Elizabethan lyrics, Sir Philip Sidney, Spenser, Shakspere's sonnets.

Professor BENEDICT

34, 35, 36. *English Literature, exclusive of the Drama, from 1600 to 1660.* Three hours. Through the year. Elective for students who have passed in 16, 17, 18. Not to be offered in 1902-03.

The course will centre in Milton.

Professor BRONSON

[40, 41, 42. *Shakspere.* Three hours. Through the year. Elective for Juniors and Seniors.] Not offered in 1901-02.

Work chiefly linguistic and interpretative, with some attention to the literary history and the sources of the plays read.

Professor POTTER

67, 68, 69. *Shakspere.* Three hours. Through the year. Elective for students who have passed in 16, 17, 18. Not to be offered in 1902-03.

A literary course, intended for purposes of general culture. All the plays will be read, and the greater plays will be studied as to style, sources and structure of plot, character-portrayal, and *motif.* As an aid to the broader appreciation of Shakspere, some attention will be paid to the history of the English drama, and a few plays by some of Shakspere's contemporaries, as Marlowe, Jonson, Beaumont and Fletcher, Dekker, and Webster, will be read and discussed.

Professor POTTER

[46, 47, 48. *English Literature from 1660 to 1798.* Three hours. Through the year. Elective for students who have passed in 16, 17, 18.] Not offered in 1901-02.

Special attention to the development of the novel and to the beginnings of the romantic movement.

[IX. English Literature and Language, continued.]

[49, 50, 51. *English Literature from 1798 to 1832.* Three hours. Through the year. Elective for students who have passed in 16, 17, 18.] Not offered in 1901-02.

[55, 56, 57. *English Literature from 1832, the Poets.* Three hours. Through the year. Elective for students who have passed in 16, 17, 18.] Not offered in 1901-02.

58, 59, 60. *English Literature from 1832, the Essayists and the Novelists.* Three hours. Through the year. Elective for students who have passed in 16, 17, 18. Not to be offered in 1902-03.

Professor POTTER

61, 62, 63. *American Literature.* Three hours. Through the year. Elective for students who have passed in 16, 17, 18.

The colonial and national periods of American literature, and a comparative view of American and English literature during three centuries; with occasional lectures on literary criticism, as an assistance in making weekly reports on required reading. Any one term of the course may be taken separately.

Professor SEARS

64, 65, 66. *Seminary in English Literature.* Three hours. Through the year. Elective for Graduates, and for Seniors who have passed with credit in two or more courses in English literature. Number of members limited to ten.

Subject in 1901-02: The principles of literary art, with special attention to the psychological basis of literary effects.

Professor BRONSON

X. GERMANIC LANGUAGES AND LITERATURES

GERMAN

1, 2, 3. *Introductory Course.* Three hours. Through the year. Required of all Sophomores who did not present German for admission.

Reading at the outset; grammar; composition; dictation; sight reading. Selections in prose and poetry from standard authors.

Messrs. THOMPSON and POOLE

[X. Germanic Languages and Literatures, continued.]

4, 6, 8. *The Drama of the Classic Period.* Three hours. Through the year. Elective for students who have passed in 1, 2, 3. Required of all who presented German for entrance, and of all who are to take advanced courses.

Lessing, Schiller, Goethe. Two dramas of each author. Recommended to the general student of German. An introduction to the best literature, the linguistic side of the study being also kept in sight.

Professors CROWELL and JONAS, Mr. THOMPSON

5, 7, 9. *Modern Prose.* Three hours. Through the year. Elective for students who have passed in 1, 2, 3.

Varies in details from year to year; presents representative pieces of the best nineteenth century authors, in history, biography, legend and fiction. Valuable for students using German sources in other subjects. Sight reading a prominent feature. Parallel to 4, 6, 8.

Professor JONAS

46, 47, 48. *German Masterpieces I.* Three hours. Through the year. Elective for students who have passed in 8.

Goethe's *Faust*, Parts I. and II., with a glance at recent dramas of kindred interest. With 49, 50, 51 presents the productions of the great German writers which deal with important psychological and moral problems. Offered in alternate years.

Professor CROWELL

[49, 50, 51. *German Masterpieces II.* Three hours. Through the year. Elective for students who have passed in 8.] Not offered in 1901-02.

Wolfram von Eschenbach's *Parzival*, Lessing's *Nathan der Weise*, Schiller's *Wallenstein*. Offered in alternate years.

Professor CROWELL

16, 17, 18. *German Literature.* Three hours. Through the year. Elective for students who have studied German not less than two years.

The principal literary movements in Germany from the earliest times to the present. Lectures, reports on assigned topics, extended reading. Subject for 1901-02: German Literature in the first half of the nineteenth century: Heine; Uhland; the Romantic School.

Professor CROWELL

[X. Germanic Languages and Literatures, continued.]

40, 41, 42. *Composition.* One hour. Through the year. Elective only for students pursuing the regular courses of the second or third year in German, and for those who have passed in 48.

Most appropriately taken in connection with courses 4, 6, 8, or 5, 7, 9. Hours for conversation are appointed.

Professors CROWELL and JONAS

10, 11, 12. *Middle High German.* Three hours. Through the year. Elective for Graduates and qualified Undergraduates.

Paul's *Mittelhochdeutsche Grammatik; Das Nibelungenlied;* Walther von der Vogelweide; Hartmann von Aue's *Iwein* and *Der arme Heinrich;* Gottfried von Strassburg's *Tristan;* Wolfram von Eschenbach's *Parzival.* Translation into English and modern German.

Professor JONAS

[19, 20, 21. *Old High German.* One hour. Through the year. Elective for Graduates.] Not offered in 1901-02.

[34, 35, 36. *Germanic Philology.* One hour. Through the year. Elective for Graduates.] Not offered in 1901-02.

28, 29, 30. *Germanic Mythology.* One hour. Through the year. Elective for all who read German with ease. To be omitted in 1902-03.

Based upon Mogk's *Deutsche Mythologie;* lectures; reports upon collateral reading.

Professor CROWELL

OLD NORSE

1, 2, 3. Two hours. Through the year. Elective for Graduates and qualified Undergraduates. To be omitted in 1902-03.

Kahle's *Altisländisches Elementarbuch,* Wilken's *Prosaische Edda,* Hildebrand's *Aeltere Edda.* Students electing Old Norse should also take Germanic Mythology.

Professor CROWELL

GOTHIC

[1, 2, 3. Two hours. Through the year. Elective for Graduates and qualified Undergraduates.] Not offered in 1901-02.

Students electing Gothic should also take Germanic Philology.

XI. ROMANCE LANGUAGES AND LITERATURES

FRENCH

A, B, C. *Elementary French.* Three hours. Through the year. Required of all Sophomores who did not present French for admission.

Grammar, composition, dictation, translation of selections from modern authors into idiomatic English. The equivalent of the French required for admission.

Mr. MORSE.

1, 2, 3. *Language.* Three hours. Through the year. Required of all Freshmen who presented French for admission.

A thorough study of French syntax, translation of modern authors, written and oral retranslation into French of exercises based upon the texts read, dictation. Intended to give students a large working vocabulary.

Professor JOHNSON, Messrs. MORSE, NORRIS and WILLIAMSON

4, 5, 6. *Literature.* Three hours. Through the year. Elective for students who have passed with credit in 1, 2, 3.

First term, special study of Hugo's *Quatre-Vingt-Treize.* Second Term, Balzac's *Eugénie Grandet*, Zola's *La Débâcle.* Third Term, Augier's *Fils de Giboyer*, Rostand's *L'Aiglon.* Weekly reports (in French) of outside reading. The works assigned for outside reading are: Crane's *Tableaux de la Révolution française*, Harper's *Contes de Balzac*, Sarcey's *Siège de Paris*, Dumas' *Question d'Argent*, and Rostand's *Cyrano de Bergerac.*

Professor JOHNSON

[13, 14, 15. *Practice in Writing and Speaking.* Three hours. Through the year. Elective for students who have passed with credit in 1, 2, 3.] Not offered in 1901–02.

Intended more especially for those preparing to teach. A large amount of set and free composition, abstracts (in French) of assigned reading, dictation, conversation, oral translation into French of an English novel, abstracts of French read in class by the instructor.

Professor JOHNSON

37, 38, 39. *The French Drama.* Three hours. Through the year. Elective for Juniors, Seniors and Graduates who have passed creditably in French 1, 2, 3.

From Corneille to Rostand, with special study of its classical and romantic sources and influences.

Professor LANGDON

[XI. Romance Languages and Literatures, continued.]

ITALIAN

1, 11, 12. *Modern Italian, and Dante in the Original.* Three hours. Through the year. Elective for Juniors, Seniors, and Graduates.

Reading of the Divine Comedy from the beginning of the first term. Especially recommended to Graduates pursuing linguistic and literary studies.

Professor LANGDON

COMPARATIVE LITERATURE

[1, 2, 3. *Dante in English.* Three hours. Through the year. Elective for Juniors, Seniors and Graduates.] Not offered in 1901–02. To be offered in 1902–03.

A study of the whole of the *Divina Commedia* in English in the light of modern thought, and in connection with the great world-poems, *Job*, the *Iliad-Odyssey*, the *Æneid*, *Hamlet*, *Paradise Lost*, *Faust*, and *The Ring and the Book*. An introduction to a study of comparative literature, by means of the best available translations. A survey of the greatest monuments of literature from the point of view of the most universal and central of all. Intended especially, though not exclusively, for students who, not having time for the study of many literatures in the original, yet desire acquaintance with what is best in the poetic culture of the world.

Professor LANGDON

SPANISH

1, 2, 3. *Modern Spanish.* Three hours. Through the year. Elective for Juniors, and for Sophomores not electing more than one other modern foreign language.

Conversation, composition, writing from dictation, and rapid reading.

Professor JOHNSON

4, 5, 6. *Language and Literature.* Three hours. Through the year. Elective for those who have passed with credit in 1, 2, 3.

First Term, translation of Valdés' *José*, written and oral retranslation into Spanish of exercises based on the text, dictation of colloquial Spanish, conversation and composition (unprepared) based upon the dictation. Second Term, Galdos' *Doña Perfecta*, weekly reports (in Spanish) of outside reading. Third Term, Gil y Zárate's *Guzmán el Bueno*, Echegaray's *O Locura ó Sanitidad*, selections from *Don Quijote*, abstracts of Spanish read in class by the instructor.

Professor JOHNSON

XII. BIBLICAL LITERATURE AND HISTORY

HEBREW

1, 2. *Elementary Hebrew.* Three hours. First and Second Terms. Elective for Juniors, Seniors and Graduates.

Professor FOWLER and Mr. BROWN

3. *Historical Hebrew.* Three hours. Third Term. Elective for students who have passed in 1 and 2.

Professor FOWLER and Mr. BROWN

4, 5, 6. *Hebrew Seminary* Three hours. Through the year. The prophetical literature of the Old Testament. Critical analysis and translation of the prophetical writings and chronological arrangement of the different sections with a view to gaining definite and comprehensive ideas of the origin, development and significance of Hebrew prophecy. A portion of the time is given to careful grammatical work.

Professor FOWLER

NOTE: In succeeding years corresponding courses in the Psalm, Wisdom and Legal Literature of the Old Testament will be offered.

ARAMAIC

1. *Biblical Aramaic.* Two hours. First Term. Elective for students who have passed in Hebrew 1, 2 and 3.

Mr. GRAD

SYRIAC

1, 2. *Syriac.* Two hours. Second and Third Terms. Elective for students who have passed in Aramaic 1.

Mr. GRAD

ARABIC

[1, 2, 3. *Elementary Arabic.* Two hours. Through the year. Elective for Juniors, Seniors and Graduates.] Not offered in 1901-02.

Professor FOWLER

NEW TESTAMENT LANGUAGE AND LITERATURE

7. *Book of Acts.* Three hours. First Term. Elective for Juniors, Seniors and Graduates.

Interpretation; analysis of structure; study of authorship; history and institutions of primitive Christianity.

Professor FOWLER

[XII. Biblical Literature and History, continued.]

6. *The Epistles to the Thessalonians and Galatians.* Three hours. Second Term. Elective for Juniors, Seniors and Graduates.

Interpretation and general investigation of the origin, aim, characteristics and contents of the New Testament epistles.

Professor FOWLER

3. *Paul's Corinthian and Roman Epistles.* Three hours. Third Term. Elective for Juniors, Seniors and Graduates.

Rapid reading; analysis of thought; study of Pauline teaching.

Professor FOWLER

[1. *The Gospel of Mark and the First Epistle of Peter.* Three hours. First Term. Elective for Juniors, Seniors and Graduates.] Not offered in 1901-02.

Critical translation and interpretation, study of the characteristics of Hellenistic Greek, and special investigation of the message and thought of Peter.

Professor FOWLER

[2. *The Gospels of Matthew and Luke.* Three hours. Second Term. Elective for Juniors, Seniors and Graduates.] Not offered in 1901-02.

Rapid translation and critical interpretation, comparative study of the structure, peculiarities and aims of the three Synoptic Gospels, with a special view to laying the foundations for the historical study of the life and teachings of Jesus.

Professor FOWLER

[5. *The Gospel and First Epistle of John.* Three hours. Third Term. Elective for Juniors, Seniors and Graduates.] Not offered in 1901-02.

Translation, interpretation, analysis, investigation of the questions of date and authorship, and a special study of the point of view and teachings of the apostle John.

Professor FOWLER

BIBLICAL LITERATURE AND HISTORY IN ENGLISH

1. *Jewish History and Literature.* Three hours. First Term. Elective for Sophomores, Juniors, Seniors and Graduates.

The life and thought of the Jewish people between the fall of Jerusalem in 586 and the re-dedication of the Temple in 165 B. C.

Professor FOWLER

[XII. Biblical Literature and History, continued.]

2. *New Testament History and Literature.* Three hours. Second Term. Elective for Sophomores, Juniors, Seniors and Graduates.

Study of the Jewish and Roman life that constitutes the background of the New Testament, and an investigation of the date, authorship and general character of the Jewish and Christian literature of the period between 165 B. C. and 200 A. D.

Professor FOWLER

3. *The Beginnings of Christianity.* Three hours. Third Term. Elective for Sophomores, Juniors, Seniors and Graduates.

Historical study of the life and teachings of Jesus and of the first half century of the Christian Church.

Professor FOWLER

[4. *The Beginnings of Hebrew History.* Three hours. First Term. Elective for Sophomores, Juniors, Seniors and Graduates.] Not offered in 1901-02.

Study of ancient Semitic and Egyptian history, civilization and religions that constitute the background of primitive Hebrew life and thought, interpretation of the prophetic and priestly narratives of the book of Genesis, and reconstruction of the outlines of early Hebrew history, in the light of the testimony of the monuments and primitive Hebrew traditions.

Professor FOWLER

[5. *Hebrew History and Literature: The United Kingdom.* Three hours. Second Term. Elective for Sophomores, Juniors, Seniors and Graduates.] Not offered in 1901–02.

Investigation of the political, social and religious life and development of the Hebrew people, from their settlement in Canaan to the division of the kingdom, special attention being given to the growth of institutions.

Professor FOWLER

[6. *Hebrew History and Literature: The Divided Kingdom.* Three hours. Third Term. Elective for Sophomores, Juniors, Seniors and Graduates.] Not offered in 1901–02.

Study of the history of the Hebrews between 937 and 586 B. C. in connection with the great political movements which affected the nations of southwestern Asia, investigations of the contents, peculiarities and aim of the Old Testament books which belong to the period, and interpretation of the character and work of the great Hebrew prophets in the light of their age.

Professor FOWLER

[XII. Biblical Literature and History, continued.]

NOTE: The courses in the English Bible are designed for general students as well as for those intending special Biblical work. They are not repeated in successive years, but form a two years' consecutive course, giving a comprehensive view of the entire field of Biblical history. The sources, Biblical and monumental, for each epoch, are studied; then the political, social and religious life and development. The date and authorship of books and the various other questions of literary history for each period are examined, and the teachings of the several documents are drawn out and formulated.

Biblical Research Club. A Biblical Research Club, including graduate and undergraduate students interested in the work of the department, has been formed to investigate special Biblical subjects and to promote a more general and intelligent interest in the study of the literature and history of the Bible. The club meets once a month for the review of new books and current literature, reading of papers and free discussion. Arrangements are also made for special addresses before the club.

XIII. PURE MATHEMATICS

1. *Geometry, Solid and Spherical.* Five hours. First Term. Required of candidates for the degree of Bachelor of Arts and Bachelor of Philosophy.

Professors CLARKE, DAVIS, MANNING and SLOCUM, Messrs. CURRIER, LESTER and DAVIS

NOTE: Courses 1, 3, 2, will be required in 1901-02 of candidates for the degree of Bachelor of Science in Civil Engineering, Mechanical Engineering and Electrical Engineering.

3. *Algebra.* Five hours. Second Term. Required of candidates for the degree of Bachelor of Arts, Bachelor of Philosophy, Civil Engineer and Mechanical Engineer.

Professors CLARKE, DAVIS, MANNING and SLOCUM, Messrs. CURRIER, LESTER and DAVIS

2. *Trigonometry, Plane and Spherical.* Five hours. Third Term. Required of candidates for the degree of Bachelor of Arts, Bachelor of Philosophy, Civil Engineer and Mechanical Engineer.

Professors CLARKE, DAVIS, MANNING and SLOCUM, Messrs. CURRIER, LESTER and DAVIS

[XIII. Pure Mathematics, continued.]

[38. *Algebra.* Six hours. First Term. To be required of candidates for the degree of Bachelor of Science in Civil Engineering, Mechanical Engineering and Electrical Engineering in 1902-03.] Not offered in 1901-02.

[39. *Trigonometry, Plane and Spherical.* Six hours. Second Term. To be required of candidates for the degree of Bachelor of Science in Civil Engineering, Mechanical Engineering and Electrical Engineering in 1902-03.] Not offered in 1901-02.

[40. *Analytic Geometry.* Six hours. Third Term. To be required of candidates for the degree of Bachelor of Science in Civil Engineering, Mechanical Engineering and Electrical Engineering in 1902-03.] Not offered in 1901-02.

[41. *Differential Calculus.* Five hours. First Term. To be required of candidates for the degree of Bachelor of Science in Civil Engineering, Mechanical Engineering and Electrical Engineering in 1903-04.] Not offered in 1901-02.

[42, 43. *Integral Calculus.* Three hours. Second and Third Terms. To be required of candidates for the degree of Bachelor of Science in Civil Engineering, Mechanical Engineering and Electrical Engineering in 1903-04.] Not offered in 1901-02.

4. *Spherical Trigonometry.* One hour. First Term. Required of candidates for the degree of Bachelor of Science. Not to be offered in 1902-03.

Mr. MILLER

5, 6, 7. *Algebra.* One hour; First Term. Two hours; Second and Third Terms. Required of candidates for the degree of Bachelor of Science. Not to be offered in 1902-03.

Mr. MILLER

8. *Determinants and Theory of Equations.* Three hours. Third Term. Elective for students who have passed in 3, or 5, 6, 7.

Professor MANNING

[XIII. Pure Mathematics, continued.]

9, 10. *Analytic Geometry.* Three hours. First and Second Terms. Elective for students who have passed in 1, 2 and 3; required of candidates for the degree of Bachelor of Science, Civil Engineer, Mechanical Engineer, and Bachelor of Science in Electrical Engineering.

Professor DAVIS

[11. *Modern Methods of Analytic Geometry.* Three hours. Third Term. Elective for students who have passed in 10.] Not offered in 1901-02.

Professor MANNING

[30. *Solid Analytic Geometry.* Three hours. Third Term. Elective for students who have passed in 10.] Not offered in 1901-02.

Professor MANNING

12. *Differential Calculus.* Three hours. Third Term. Elective for students who have passed in 9 and 10; required of candidates for the degree of Bachelor of Science, Civil Engineer, Mechanical Engineer and Bachelor of Science in Electrical Engineering.

Professor DAVIS

13. *Integral Calculus.* Three hours. First Term. Elective for students who have passed in 12; required of candidates for the degree of Civil Engineer, Mechanical Engineer and Bachelor of Science in Electrical Engineering.

Professor DAVIS

14. *Applications of the Differential Calculus.* Three hours. Second Term. Elective for students who have passed in 12 and 13; required of candidates for the degree of Civil Engineer, Mechanical Engineer and Bachelor of Science in Electrical Engineering.

Professor DAVIS

31. *Applications of the Integral Calculus.* Three hours. Third Term. Elective for students who have passed in 13; required of candidates for the degree of Civil Engineer and Bachelor of Science in Electrical Engineering.

Professor DAVIS

[XIII. Pure Mathematics, continued.]

15, 16, 44. *Differential Equations.* Three hours. Through the year. Elective for students who have passed in 13. No. 15 is required of candidates for the degree of Bachelor of Science in Electrical Engineering.

Professor MANNING

*18, 19, 20. *General Theory of Curves and Surfaces.* Three hours. Through the year. Elective for Graduates and candidates for the degree of Bachelor of Science who have passed in 16 and 30.

Professor MANNING

*21, 22, 23. *Theory of Functions.* Three hours. Through the year. Elective for Graduates, and for candidates for the degree of Bachelor of Science who have passed in 16.

Professor MANNING

*24, 25, 26. *Differential Equations, advanced.* Three hours. Through the year. Elective for Graduates who have passed in 23.

Professor MANNING

*27, 28, 29. *Advanced Algebra.* Three hours. Through the year. Elective for Graduates.

Including substitutions and the Galois theory of equations.

Professor MANNING

*32, 33, 34. *Quaternions, Non-Euclidean Geometry and Hyper-Space.* Three hours. Through the year. Elective for Graduates.

Professor MANNING

XIV. DRAWING

1. *Elementary Mechanical Drawing.* Four hours. First Term. Required of Freshmen who are candidates for the degree of Bachelor of Science, Civil Engineer and Mechanical Engineer. Elective for Freshmen who are candidates for the degree of Bachelor of Philosophy.

One hour of recitation and seven hours of drawing. Nature, care and use of drawing instruments; elements of orthographic and isometric projection. Largely mathematical; demanding original investigation and accurate execution.

Professors RANDALL and KENERSON, Mr. PHETTEPLACE

*Two or three of these courses are offered each year according to the requirements of the students. For those who have taken all these courses other courses can usually be arranged.

[XIV. Drawing, continued.]

16. *Elementary Mechanical Drawing.* Three hours. First Term. Elective for Sophomores, Juniors and Seniors.

One hour of recitation and five hours of drawing. Similar to 1. Primarily for candidates for the degree of Bachelor of Arts.

Professors RANDALL and KENERSON, Mr. PHETTEPLACE

5, 6. *Descriptive Geometry.* Four hours. Second and Third Terms. Required of Freshmen who are candidates for the degree of Bachelor of Science, Civil Engineer and Mechanical Engineer. Elective for Freshmen who are candidates for the degree of Bachelor of Philosophy and have passed in 1.

Three hours of recitation and two hours of drawing. Theory of orthographic and scenographic projection, discussion and proof of theoretical and practical problems, presentation of principles most needed in handling the complicated problems of engineering.

Professors RANDALL and KENERSON

17, 18. *Descriptive Geometry.* Three hours. Second and Third Terms. Elective for Sophomores, Juniors and Seniors who have passed in 1 or 16.

Two hours of recitation and two hours of drawing. Similar to 5 and 6. A continuation of 16.

Professors RANDALL and KENERSON

7. *Shades and Shadows and Perspective.* Three hours. First Term. Required of candidates for the degree of Civil Engineer or Mechanical Engineer. Elective for students who have passed in 5, 6, or 17, 18.

Two hours of recitation and two hours of drawing. Derivation and proof of theoretical and practical formulæ. Based on descriptive geometry, largely mathematical.

Professor RANDALL

14. *Shades and Shadows and Perspective, advanced.* Three hours. Third Term. Elective for students who have passed in 7.

Six hours of drawing. Derivation and application of theoretical and practical formulæ. Perspective of shadows. Arranged for students in architecture.

Professor RANDALL

[XIV. Drawing, continued.]

8. *Elementary Machine Drawing.* Three hours. Second Term. Required of candidates for the degree of Mechanical Engineer. Elective for students who have passed in 5, 6, or 17, 18.

One hour of recitation and five hours of drawing. Presentation of conventional methods of representing the parts of machines; explanation of machines in detail; sketches, detail and assembly drawings.

Professors RANDALL and KENERSON, Mr. PHETTEPLACE

9. *Gearing.* Three hours. Third Term. Required of candidates for the degree of Mechanical Engineer. Elective for students who have passed in Mechanical Engineering 1, and in Drawing 5, 6, or 17, 18.

One hour of recitation and four hours of drawing. Lectures and recitations on the theory of spur, bevel and screw gearing; accurate construction, in the drawing room, of illustrative problems.

Professor BURNHAM

10, 11. *Machine Drawing, advanced.* Three hours. First and Second Terms. Required of candidates for the degree of Mechanical Engineer. Elective for students who have passed in 8 and 9.

One hour of recitation and five hours of drawing. Sketches, detail and assembly drawings of complicated machines.

Professor BURNHAM

12. *Elements of Machine Design.* Three hours. Third Term. Required of candidates for the degree of Mechanical Engineer. Elective for students who have passed in Mechanical Engineering 1, and in Drawing 10, 11.

Six hours of drawing. Design of the simpler mechanisms.

Professor BURNHAM

27, 28. *Machine Design, advanced.* Three hours. First and Second Terms. Required of candidates for the degree of Mechanical Engineer. Elective for students who have passed in 10, 11 and 12, and in Mechanics 3, 4 and 6.

One hour of recitation and four hours of calculation and drawing. Extended problems in design, involving the calculation of the strength of the various parts of machines and structures.

Professor BURNHAM

[XIV. Drawing, continued.]

15. *Constructive Geometry.* Three hours. Through the year. Elective for students who have passed in 1 or 16.

Six hours of drawing. Derivation, graphical test and proof of original methods of solving plane and solid geometrical problems. Mathematical.

Professor RANDALL

13. *Constructive Geometry.* Four hours. First Term. Elective for students who have passed in 1 or 16.

Eight hours of drawing. Similar to 15. For Freshmen who have had the equivalent of 1.

Professor RANDALL

19. *Mechanical Drawing.* Three hours. Second Term.

21, 22. *Architectural Drawing.* Three hours. Second and Third Terms. Elective for Sophomores, Juniors and Seniors who have passed in Drawing 7.

Six hours of drawing. Principles of architectural design and composition. Working drawings and ordinary office practice.

Professor HOMER and Mr. PHETTEPLACE

Term. Elective for students who have passed in 19.

Six hours of drawing. Practical work in shades and shadows and perspective.

Professors RANDALL and KENERSON, Mr. PHETTEPLACE

2, 3, 4. *Freehand Drawing.* One hour. Through the year. Required of candidates for the degree of Civil Engineer and Mechanical Engineer. Elective for all candidates for other degrees.

Two hours of drawing. Freehand lettering and sketching. Extensive use of models.

Professor KENERSON and Mr. PHETTEPLACE

NOTE: After the year 1901-02 Drawing 2, 3, 4 will be given only at the Rhode Island School of Design.

For the remainder of the year 1901-02 candidates for degrees other than Civil Engineer and Mechanical Engineer may pursue these courses at the Rhode Island School of Design.

[XIV. Drawing, continued.]

8. *Elementary Machine Drawing.* Three hours. Second Term. Required of candidates for the degree of Mechanical Engineer. Elective for students who have passed in 5, 6, or 17, 18.

One hour of recitation and five hours of drawing. Presentation of conventional methods of representing the parts of machines; explanation of machines in detail; sketches, detail and assembly drawings.

Professors RANDALL and KENERSON, Mr. PHETTEPLACE

9. *Gearing.* Three hours. Third Term. Required of candidates for the degree of Mechanical Engineer. Elective for students who have passed in Mechanical Engineering 1, and in Drawing 5, 6, or 17, 18.

One hour of recitation and four hours of drawing. Lectures and recitations on the theory of spur, bevel and screw gearing; accurate construction, in the drawing room, of illustrative [illegible]

[illegible] *Design.* Three hours. Third Term. Required of candidates for the degree of Mechanical Engineer. Elective for students who have passed in Mechanical Engineering 1, and in Drawing 10, 11.

Six hours of drawing. Design of the simpler mechanisms.

Professor BURNHAM

27, 28. *Machine Design, advanced.* Three hours. First and Second Terms. Required of candidates for the degree of Mechanical Engineer. Elective for students who have passed in 10, 11 and 12, and in Mechanics 3, 4 and 6.

One hour of recitation and four hours of calculation and drawing. Extended problems in design, involving the calculation of the strength of the various parts of machines and structures.

Professor BURNHAM

[XIV. Drawing, continued.]

15. *Constructive Geometry.* Three hours. Through the year. Elective for students who have passed in 1 or 16.

Six hours of drawing. Derivation, graphical test and proof of original methods of solving plane and solid geometrical problems. Mathematical.

Professor RANDALL

13. *Constructive Geometry.* Four hours. First Term. Elective for students who have passed in 1 or 16.

Eight hours of drawing. Similar to 15. For Freshmen who have had the equivalent of 1.

Professor RANDALL

19. *Mechanical Drawing.* Three hours. Second Term. Elective for students who have passed in 16.

Six hours of drawing. Graphical solution of advanced plane and solid geometrical problems, advanced practical orthographic and isometric projection. For students desiring to continue their course in drawing without taking the theoretical work of descriptive geometry.

Professors RANDALL and KENERSON, Mr. PHETTEPLACE

20. *Mechanical Drawing, continued.* Three hours. Third Term. Elective for students who have passed in 19.

Six hours of drawing. Practical work in shades and shadows and perspective.

Professors RANDALL and KENERSON, Mr. PHETTEPLACE

2, 3, 4. *Freehand Drawing.* One hour. Through the year. Required of candidates for the degree of Civil Engineer and Mechanical Engineer. Elective for all candidates for other degrees.

Two hours of drawing. Freehand lettering and sketching. Extensive use of models.

Professor KENERSON and Mr. PHETTEPLACE

NOTE: After the year 1901-02 Drawing 2, 3, 4 will be given only at the Rhode Island School of Design.

For the remainder of the year 1901-02 candidates for degrees other than Civil Engineer and Mechanical Engineer may pursue these courses at the Rhode Island School of Design.

XV. CIVIL ENGINEERING

1, 2, 3. *Surveying.* Three hours. Through the year. Elective for students who have passed in Mathematics 1, 2 and 3 and in Drawing 1 or 16.

Elementary course in land surveying; use of tape, compass, level and transit; adjustment of instruments. Lectures, recitations, field work, and drawing.

Professor HILL and Mr. MILLER

NOTE: All courses in this department are required of candidates for the degree of Civil Engineer; all except 4, 25, 26, 27 are elective for other students.

4. *Topographical Drawing.* Three hours. Second Term.

Six hours of drawing. Pen and colored topography, conventional signs for maps.

Mr. MILLER

8, 8a. *Surveying, advanced.* One hour and five hours. Third Term. Elective for students who have passed in 1 and 2, but 8 and 8a cannot be elected separately.

Topography and hydrography, city surveying; use of stadia, plane table, sextant and barometer; precise base-line measurements with steel tape. Methods as in 1, 2, 3. The field work (8a) is done during the spring recess.

Professor HILL and Mr. MILLER

5, 5a, 6, 7. *Railroad Engineering.* Two, four, three and three hours. First, Second and Third Terms. Elective for students who have passed in 3 and 8, but 5 and 5a cannot be elected separately.

Theory, location, construction and economics. Methods as in 1, 2, 3.

Professor HILL and Mr. MILLER

10. *Hydraulic Engineering.* Three hours. Second Term. Elective for Juniors and Seniors.

Consideration of water supply mainly from a sanitary standpoint. Lectures, recitations and seminary work.

Professor HILL

11. *Hydraulic Engineering.* Three hours. Third Term. Elective for students who have passed in Mathematics 13 and Mechanics 4.

Supplements the courses in Mechanics 7 and 8, which give the theoretical treatment of the subject. Consideration of Water Supply mainly from an engineering standpoint; irrigation, pumps and pumping machinery. Lectures, recitations and seminary work.

Professor HILL

[XV. Civil Engineering, continued.]

15. *Masonry.* Three hours. Second Term. Elective for students who have passed in Mathematics 13, Mechanics 4 and Drawing 6.

Calculation of stresses in, and design of, arches, retaining walls and dams; materials of construction. Lectures, recitations and drawing.

Professor HILL

16. *Geodesy.* Three hours. Second Term. Elective for students who have passed in 3 and 8 and Astronomy 4.

Problems in geodetic surveying. Lectures and computations.

Professor HILL

17. *Sanitary Engineering.* Three hours. Third Term. Elective for students who have passed in Mathematics 13, Mechanics 4 and Drawing 6.

Sewerage and house drainage. Lectures, recitations and seminary work.

Professor HILL

18. *Roads and Pavements.* Three hours. Third Term. Elective for Sophomores, Juniors and Seniors.

Mr. MILLER

[19, 20,] 21. *Laboratory Investigations.* Three hours. Through the year. Elective for students who have passed in Mathematics 13, Mechanics 4 and Drawing 6. 19 and 20 not offered in 1901–02.

Use and adjustment of instruments, testing materials, stereotomy.

Professor HILL

25, 26, 27. *Lettering.* One hour. Through the year.

Two hours of drawing.

Professor HILL

NOTE: For 1901–02 students in Civil Engineering will take Mechanical Engineering 6 and 7 in place of Civil Engineering 19 and 20.

28. *Framed Structures.* Three hours. Third Term.

Calculation of stresses in roofs and bridges by analytical methods. Lectures, recitations and seminary work.

Mr. MILLER

NOTE: Courses 28 to 32, inclusive, are elective for students who have passed in Mathematics 13, Mechanics 4 and Drawing 1 or 16.

[XV. Civil Engineering, continued.]

29. *Structural Details.* Three hours. First Term.
Lectures and computations.

Mr. MILLER

30. *Roof Design and Graphic Statics.* Three hours. First Term. Elective for students who have passed in 28, 29.
Drawing and computations.

Mr. MILLER

31. *Bridge Design.* Six hours. Second Term. Elective for students who have passed in 30.
Drawing, computations and field excursions. Design of plate girders, riveted and pin-connected trusses, with working drawings.

Mr. MILLER

32. *Bridges.* Three hours. Third Term. Elective for students who have passed in 28.
Theory of cantilever, draw, continuous, suspension, and arched structures. Lectures, recitations and seminary work.

Mr. MILLER

XVI. MECHANICAL ENGINEERING

1. *Kinematics.* Three hours. First Term. Elective for students who have passed in Drawing 5, 6, or 17, 18.
Description of the mechanical devices used in machines, with the presentation and proof of the mathematical laws governing the motion of their parts. Stahl and Woods's Elements of Mechanism; recitations, graphical and analytical solution of problems.

Professor BURNHAM

9. *Thermodynamics of the Steam Engine.* Three hours. Third Term. Required of candidates for the degree of Mechanical Engineer. Elective for students who have passed in Physics 1, 2, 4 and in Mathematics 12, 13 and 14.
Principles of gases and vapors as applied to the steam engine and other heat engines.

Professor BURNHAM

[XVI. Mechanical Engineering, continued.]

3, 4, 5. *Steam Engineering.* Three hours. Through the year. Required of candidates for the degree of Mechanical Engineer. Elective for students who have passed in 9.

Principles of heat engines and generators; methods of testing. Lectures, recitations and laboratory work.

Professors BURNHAM and KENERSON

6, 7, 8. *Materials of Engineering.* Three hours. Through the year. Required of candidates for the degree of Mechanical Engineer. Elective for students who have passed in Mechanics 3, 4, 6.

Study of the sources, manufacture and properties of important materials used in engineering; laboratory tests on the strength of materials.

Professors BURNHAM and KENERSON

10, 11, 12. *Wood-work.* Three hours. Required of candidates for the degree of Mechanical Engineer. Elective for Sophomores, Juniors and Seniors.

Six hours of attendance. Carpentry, wood-turning, and pattern-work. These courses may be begun in any term.

Mr. LESTER

NOTE: Though courses 10 to 18 are all open to Sophomores, Juniors and Seniors, no more than two of them may be counted towards the degree of Bachelor of Arts, Bachelor of Philosophy or Bachelor of Science.

13, 14, 15, 16. *Metal-work.* Three hours. Required of candidates for the degree of Mechanical Engineer. Elective for Sophomores, Juniors and Seniors.

Six hours of attendance. Chipping, filing, and work with the engine-lathe, planer, shaper, milling-machine, vertical drill and surface-grinder. These courses may be begun in any term. See note under 10, 11, 12.

Mr. STARK

17. *Wood-work.* Three hours. Elective during any term for Sophomores, Juniors and Seniors.

Six hours of attendance. Carpentry and wood-turning. Intended for students who wish to take only one term of wood-work. See note under 10, 11, 12.

Mr. LESTER

[XVI. Mechanical Engineering, continued.]

18. *Metal-work.* Three hours. Elective during any term for Sophomores, Juniors and Seniors.

Six hours of attendance. Chipping, filing and lathe-work. Intended for students who wish to take only one term of metal-work. See note under 10, 11, 12. Mr. STARK.

Thesis. A graduation thesis is required of all students who are candidates for the degree of Mechanical Engineer. It may be based either on extended independent study, on original experiments by the student, or on an original design of some complicated machine. In any case it must exhibit satisfactory ability in the student as an engineer.

MECHANICS

Professor CLARKE

3, 4, 6. *Mechanics of Solids.* Three hours. Through the year. Elective for students who have passed in Mathematics 9, 10 and 12, and who are taking Mathematics 13.

Statics; dynamics, including rectilinear and curvilinear motion, virtual velocity, moment of inertia, work, energy and power, friction; strength of materials, including tension, compression, shearing, torsion, flexure, arches and methods of graphical solution of problems.

7, 8. *Mechanics of Fluids.* Three hours. First and Second Terms. Elective for students who have passed in 3, 4, 6.

Hydrostatics of liquids, including pressure of liquids in tanks and reservoirs, earth pressure and retaining walls, immersion and flotation; hydrodynamics, including steady flow, impulse and resistance.

NOTE: Courses 3, 4, 6, 7 and 8 cover essentially the same ground as Church's treatise on the Mechanics of Engineering, supplemented by a large number of original problems illustrative of the principles under the different conditions which arise in their application.

XVII. ASTRONOMY

1, 2, 6. *General Astronomy.* Three hours. Through the year. Elective for Juniors and Seniors who have passed in Mathematics 1, 2, 3.

Fundamental conceptions of the science, methods of professional study, and present state of our knowledge of the heavenly bodies. Young's General Astronomy, lectures and abstracts upon assigned topics. Professor UPTON

[XVII. Astronomy, continued.]

3, 4, 5. *Geodetic Astronomy.* Three hours. Through the year. Required of engineering students. Elective for Juniors and Seniors who have passed in Mathematics 1, 2, 3.

The application of astronomy to geodesy; use of the sextant, transit and zenith telescope for determining time, latitude, longitude and azimuth.

Professor SLOCUM

8, 9, 10. *Practical Astronomy.* Three hours. Through the year. Elective for Graduates and for Undergraduates who have shown special aptitude in either 1, 2, 6 or 3, 4, 5.

Advanced study of geodetic applications of astronomy; method of least squares. Doolittle's Practical Astronomy, with instrumental observations.

Professors UPTON and SLOCUM

14, 15, 16. *Mathematical Astronomy.* Three hours. Through the year. Elective for Graduates.

The mathematical theory of planetary and cometary orbits; micrometer observations and calculation of orbits.

Professor UPTON

THE FOLLOWING IS OFFERED ONLY TO STUDENTS OF THE WOMEN'S COLLEGE.

[1w. *Meteorology.* Three hours. First Term. Elective for Sophomores, Juniors and Seniors.

2w, 3w. *Physical Geography of the Sea and Land.* Three hours. Second and Third Terms. Elective for Sophomores, Juniors and Seniors.] Not offered in 1901-02.

Professor SLOCUM

XVIII. PHYSICS

1, 2, 4. *Elementary Physics.* Three hours. Through the year. Elective for Sophomores, Juniors, Seniors, and others who have passed in Mathematics 1, 2, 3.

First Term, kinematics and dynamics; Second Term, molecular physics; Third Term, electricity. Daniell's Principles of Physics, lectures illustrated by experiments and the lantern. Weekly written exercises corrected in detail by the instructors. Designed

[XVIII. Physics, continued.]

for those who have had little previous training in physics; presupposes only a good knowledge of elementary mathematics. The entire course is a unit, setting forth the principles of modern physics. It is sufficiently broad to be a commentary upon whatever preliminary training in physics the student may have had, and to serve as a theoretical introduction to the professional courses.

Professor BARUS

[32. *Optics.* Three hours. Second Term. Elective for Sophomores, Juniors and Seniors who have passed in 1.] Not offered in 1901-02.

Professor BARUS

NOTE: The three courses, 32, 37, 38, consist of lectures on the elementary principles of Optics, Acoustics, and Heat. They alternate, in turn, with 2, for the convenience of the other courses. 2 is offered in 1901-02.

[37. *Acoustics.* Three hours. Second Term. Elective for Sophomores, Juniors and Seniors who have passed in 1.] Not offered in 1901-02.

Professor BARUS

[38. *Heat.* Three hours. Second Term. Elective for Sophomores, Juniors and Seniors who have passed in 1.] Not offered in 1901-02.

Professor BARUS

5, 9, 10. *Physical Measurements.* Three hours. Through the year. Elective for students who have passed in 1, 2, 4.

One lecture hour and four hours in the laboratory. Elementary theory and practice of physical manipulation. Each student is required to present a neat and comprehensive report of each experiment performed and to solve such problems as may be from time to time assigned.

Professor PALMER

13, 14, 16. *Mathematical Treatment of Dynamical Problems.* Three hours. Through the year. Elective for Seniors and Graduates who have passed in 10 and Mathematics 16.

Lectures. First Term, discussion of the general principles of dynamics and the development of the general equations of motion; Second and Third Terms, application of these principles to special problems in thermodynamics and hydrodynamics.

Professor PALMER

[XVIII. Physics, continued.]

17, 18, 19. *Laboratory Course, advanced.* Three hours. Through the year. Elective for students who have passed in 10.

Six hours of attendance. For those who are already familiar with the use of physical apparatus and are capable of carrying on investigations more or less independently. Special problems and reference to original sources for methods of solution. Care is taken to develop accuracy of observation, and neatness and clearness in the written reports of experiments.

Professors BARUS, PALMER and WATSON

20, 21. *Harmonic Analysis.* Three hours. Second and Third Terms. Elective for Seniors and Graduates who have passed in 1, 2, 4 and Mathematics 14, 15.

Importance of Fourier's method shown by examples taken from the analytical theory of heat, from elastics, alternating electricity, and elsewhere; treatment by the aid of spherical harmonics, Bessel functions and Lamé functions.

Professor BARUS

22. *Behavior of Matter through Long Ranges of Temperature.* Elective for Graduates.

Original research. Investigation of accurate methods and data in absolute pyrometry; determination of the high temperature constants of non-volatile bodies with a view to the elucidation of fundamental questions in the physics of the earth's crust.

Professor BARUS

NOTE: Courses 22 to 25, inclusive, occupy more or less time a week, according to the requirements of the students. These courses are definitely organized, and the requisite apparatus is provided for conducting them. Other courses of original research are offered to suit the special needs or training of advanced students. The order of interchange between 13, 14, 16, and 26, 27, 28, and between 20, 21, and 29, 30, 31, is not fixed. The preference of the applicants for instruction will be regarded in determining which shall be given.

23. *Behavior of Matter through Long Ranges of High Pressure.* Elective for Graduates.

Original research. Thermodynamics of the change of state from solid to liquid, due either to fusion or to solution, with especial reference to the continuity of solid and liquid, and to the location of the lower critical temperature.

Professor BARUS

[XVIII. Physics, continued.]

24. *Absolute Viscosity of Solids as Compared with Liquids and Gases.* Elective for Graduates.

Original research. Investigation of absolute data for the viscosity of solids.

Professor BARUS

25. *Physical Properties of the Iron Carburets.* Elective for Graduates.

Original research. A consideration of the physical properties of iron, steel and cast iron with reference to their bearing on metallurgical and electro-technical problems.

Professor BARUS

26, 27, 28. *Mathematical Theory of Electricity and Magnetism.* Three hours. Through the year. Elective for Graduates and Seniors who have passed in 10 and Mathematics 16.

Lectures. A development of the mathematical theory of electricity and magnetism, and a discussion of the more important problems of electrical science from the standpoint of Maxwell's Treatise.

Professor PALMER

NOTE: This course alternates with 13, 14, 16.

29, 30, 31. *Physics, advanced.* Three hours. Through the year. Elective for Juniors, Seniors and Graduates who have passed in Mathematics 12, 13 and 14.

Lectures on dynamics, potential, elastics, hydrostatics, hydrodynamics, viscosity, capillarity, electrostatics, magnetism, electromagnetism, thermo-electrics, induction, Fresnel's optics, the electro-magnetic theory of light, thermal analytics and thermodynamics. Completed in two years. Alternating, if desirable, with 20, 21.

Professor BARUS

NOTE: Candidates for the degree of Master of Arts with a major in physics will be held responsible for at least one of the advanced courses in theoretical physics. The requirements for non-resident students with a minor in physics are quite as advanced as for students in residence with a major in physics. The department is able to offer every reasonable facility both for research work and for the study of the higher problems in physics; it is not able to offer much encouragement to those wishing to take degrees not in residence.

[XVIII. Physics, continued.]

36, 39. *Precision Measurements in Photometry, Electricity and Magnetism.* Three hours. First and Second Terms. Elective for students who have passed in 10 and Mathematics 13.

Six hours in the laboratory.

Professor PALMER

46. *Applied Electro-Chemistry.* Three hours. Third Term. Elective for students who have passed in 39 and 15.

Six hours in the laboratory.

Professor PALMER

ELECTRICAL ENGINEERING

Professor WATSON

11. *Elementary.* Three hours. First Term. Elective for students who have passed in 4.

Definite instruction in methods of generating and utilizing electric currents; introductory to the technical courses.

12. *Dynamo Electric Machinery.* Three hours. Second Term. Elective for students who have passed in 11, and who have taken or are taking 5, 9, 10, and Mathematics 12.

Two hours of recitation, and two hours of laboratory practice. Technical study of theory and calculations for dynamo-electric machinery.

15. *Laboratory.* Three hours. Third Term. Elective for students who have passed in 11 and 12.

One hour of recitation and four hours of laboratory work. Practical methods of operating and testing various sizes and types of standard dynamos.

33. *Periodic or Alternating Currents of Electricity.* Three hours. Third Term. Elective for students who have passed in 15, and who have taken or are taking Mathematics 15.

A mathematical and graphical treatment.

34. *Utilization of Alternating Currents.* Three hours. Second Term. Elective for students who have passed in 33.

35. *Laboratory, Alternating Current Machinery.* Three hours. Third Term. Elective for students who have passed in 34.

Six hours in the laboratory. Testing of apparatus. The construction of new apparatus may be included, in the case of suitably qualified students, as a minor portion of this course.

[XVIII. Physics, continued.]

40. *Development and Scope of Industrial Electricity.* Three hours. First Term.

May be taken with 11.

41. *Telephone and Telegraph Engineering.* Three hours. Third Term.

Two hours of recitation and one hour of laboratory work in construction of electrical apparatus. May be taken with 12.

42. *Design and Calculation of Direct Current Machinery.* Three hours. Third Term.

Time spent in actual drawing will be counted like labo.atory work. May be taken with 15.

43. *Electric Railway Engineering.* Three hours. First Term. Elective for students who have passed in 15.

44. *Design and Calculation of Alternating Current Machinery.* Three hours. Second Term. Elective for students who have passed in 33.

45. *Central Station Design, Equipment and Systems of Distribution.* Three hours. Second Term. Elective for students who have passed in 33.

47. *Specific Engineering Problems.* Three hours. Third Term.

Reading and discussion. Seminary method.

XIX. CHEMISTRY

1. *Descriptive Chemistry.* Three hours. First Term. Elective for Sophomores.

Non-metals, chemical philosophy. Lectures with experiments, written exercises, individual laboratory work.

Professor BUCHER and Mr. PARMENTER

2. *Descriptive Chemistry.* Three hours. Second Term. Elective for Sophomores.

Metals, their metallurgy, chemical compounds, and practical applications; chemical philosophy continued. Methods as in 1.

Professor BUCHER and Mr. PARMENTER

[XIX. Chemistry, continued.]

3. *Descriptive Chemistry.* Three hours. Third Term. Elective for Sophomores.

Carbon compounds or organic chemistry; chemical philosophy continued. Methods as in 1.

Professor BUCHER and Mr. PARMENTER

4. *Qualitative Analysis.* Three hours. First Term. Elective for Juniors.

Six hours of attendance. A study of the properties of the metallic elements together with their separation from certain of their compounds. Laboratory work, accompanied by recitations in qualitative analysis and in chemical philosophy, and exercises in stoichiometry.

Professor APPLETON and Mr. DUBOIS

5. *Qualitative Analysis, continued.* Three hours. Second Term. Elective for Juniors.

Six hours of attendance. A study of the principal non-metals and the acids formed by them as well as of the methods of separation and recognition of acids and acid radicles.

Professor APPLETON and Mr. DUBOIS

6. *Quantitative Analysis.* Three hours. Third Term. Elective for Juniors.

Six hours of attendance. Study of quantitative precipitations and separations of the most important elements and compounds; a somewhat thorough review of the principles upon which quantitative apparatus is constructed, including the theory of the chemical balance, the merits of the different systems of weights and measures, the use of burettes, graduated flasks, etc.; studies in chemical philosophy and stoichiometry continued. Chiefly laboratory work.

Professor APPLETON and Mr. DUBOIS

7, 8, 9. *Quantitative Analysis, advanced.* Six hours. Through the year.

Twelve hours of attendance. The assaying of metallic ores, analysis of agricultural materials, including commercial fertilizers, the testing of chemicals used in texile establishments, etc.

Professor APPLETON and Mr. DUBOIS

NOTE: Courses 7 to 20 are elective for students who have passed in 1 to 6.

[XIX. Chemistry, continued.]

10, 11, 12. *Organic Chemistry.* Six hours. Through the year.

Twelve hours of attendance. Lectures, recitations and laboratory work. An extended series of exercises in the preparation and quantitative analysis of organic compounds, so selected as fairly to represent the different branches of this department.

Professor BUCHER and Mr. PARMENTER

13. *Assaying.* Six hours. Third Term.

Twelve hours of attendance.

Professor APPLETON and Mr. DUBOIS

23. *The Scouring and Dyeing of Wool.* Six hours. Third Term.

Twelve hours of attendance. The cleansing of wool in the fleece, removal of burrs, preparation and use of mordants, dyestuffs, etc.

Professor APPLETON and Mr. DUBOIS

31, 32, 33. *Industrial Chemistry.* One, Two or Three Terms. For Graduates.

Lectures and laboratory work.

Professor APPLETON

41, 42, 43. *Physical Chemistry.* Five hours. Through the year. For Graduates. Not to be offered in 1902–03.

Lectures and laboratory work.

Professor BUCHER

[51, 52, 53. *Organic Chemistry, advanced course.* Four hours. For Graduates.] Not offered in 1901–02. To be offered in 1902–03.

Professor BUCHER

[61, 62, 63. *Inorganic Chemistry, advanced course.* For Graduates.] Not offered in 1901–02. To be offered in 1902–03.

Professor BUCHER

71. *Organic Preparations, advanced course.* Elective for Graduates.

Professor BUCHER

81. *Inorganic Preparations, advanced course.* Elective for Graduates.

Professor BUCHER

[XIX. Chemistry, continued.]

91. *Research work in Chemistry.* Elective for Graduates.

Professor BUCHER

The Brown University Chemical Society. The Brown University Chemical Society was organized in 1897 for the purpose of stimulating its members and others in the study of Chemistry. This is accomplished chiefly by conferences, affording opportunities for the discussion of chemical problems, the statement of new discoveries, etc. The society is controlled by undergraduate members of the University. Its meetings are held twice each month, on which occasions papers are read, or lectures delivered, or other appropriate exercises are arranged. The society has made stated visits to chemical works in the vicinity of Providence.

XX. ZOÖLOGY, GEOLOGY AND ANTHROPOLOGY

Professor PACKARD

ZOÖLOGY

1. *General Course on Invertebrate Animals.* Three hours. Second Term. Elective for Juniors and Seniors.

3. *Organic Evolution.* Three hours. Third Term. Elective for Juniors, Seniors and Graduates.

Primary and secondary factors of evolution; relation of animals to the world around them; variation of species; zoögeography; effects of light, changes of temperature, food, climate; effects of isolation; kinetogenesis or dynamical evolution; mimicry; heredity; views held by different schools of evolutionists. Lectures and demonstrations.

GEOLOGY

1. *Physical Geology.* Three hours. First Term. Elective for Seniors.

5. *Structural and Stratigraphic Geology.* Three hours. First Term. Elective for Seniors.

Six hours of attendance. Field and laboratory work.

2. *Historical Geology, including Paleontology.* Three hours. Second Term. Elective for Seniors, or those who have taken Geology 1, 5, and Zoölogy 1 and 2.

Lectures, text-book and laboratory work.

[XX. Zoölogy, Geology and Anthropology, continued.]

9. *Paleontology.* Three hours. Third Term. Elective for those who have taken Geology 1, 2.

ANTHROPOLOGY

1. *General Course.* Three hours. Third Term. Elective for Seniors and Graduates.

The principles of ethnology, ethnography and prehistoric archæology; man as related to other primates, origin of man, prehistoric races, language and race, writing, arts of life, amusements, primitive culture, including folk-lore, myths, primitive religious cults, and primitive society. Lectures illustrated by bone, stone and bronze relics of the prehistoric races of Europe, Asia and Africa, by American stone and bone implements, by collections from New England shell heaps, and by lantern views illustrating the fossil races of man and his art-remains in the Old World.

XXI. COMPARATIVE ANATOMY

15, 1, 35. *General Anatomy and Physiology.* Four hours. First, Second and Third Terms. Elective for Undergraduates.

Six hours of attendance. For general students as well as for those who expect to pursue other courses in the department. By means of laboratory work in gross and minute anatomy and physiology, it introduces the student to scientific methods, to the structure and function of the human body, and to the general principles of biology.

Professor Mead

3, 4, 34. *Comparative Anatomy of Vertebrates.* Three hours. First, Second and Third Terms. Elective for Sophomores, Juniors and Seniors who have passed with credit in 15, 1, 35.

Six hours of attendance. Critical and comparative study of the vertebrate organs, with special attention to the structure of man. In addition to the regular lectures, occasional lectures by physicians and others who have given attention to certain special subjects. A limited number of students are permitted to attend the clinics at the Rhode Island Hospital.

Dr. Williams

[XXI. Comparative Anatomy, continued.]

2. *Invertebrate Dissection.* Three hours. First Term. Elective for students who have passed in 15 and 35.

Six hours of attendance. Practical laboratory course on the comparative anatomy of the lower animals.

Professor MEAD

[16, 17, 30. *Anatomy of the Nervous System.* Three hours. Through the year. Elective for Juniors and Seniors who have passed with credit in 3, 4.] Not offered in 1901–02.

Six hours of attendance. Intended to acquaint the student with the gross anatomy and the microscopic structure of the nervous system in vertebrates, especially in man. Attention to the phylogeny, embryology and physiology of the nervous system and to special nerve-methods in micro-technique.

Professor MEAD

NOTE: This course alternates with 31, 32, 33, and will be given in 1902–03.

31, 32, 33. *Comparative Embryology.* Three hours. Through the year. Elective for Juniors and Seniors who have passed with credit in 3, 4, or 16, 17, 30. Not to be offered in 1902-03.

Six hours of attendance. Designed to give a general idea of the principles of embryological development, such as are involved in the phenomena of fertilization and cleavage of the egg, metamorphosis, organ formation, etc.

Professor MEAD

NOTE: This course alternates with 16, 17, 30.

18, 19, 20, 21. *Physiology.* Three hours. Third, First, Second and Third Terms. Elective for Juniors and Seniors who have taken Chemistry 2.

Six hours of attendance. Third Term, the chemistry of the proteids, carbohydrates and fats; First Term, the chemistry of salivary, gastric and pancreatic digestions, and the blood and the bile; Second Term, the qualitative and quantitative analysis of certain constituents of the animal body; Third Term, physical physiology.

Professor TOWER

9. *Bacteriology.* Three hours. Second Term. Elective for Juniors and Seniors who have passed in 10.

Six hours of attendance. Preparation and microscopic study of bacteria, the preparation of culture media, isolation, systematic

[XXI. Comparative Anatomy, continued.]

study and determination of unknown species, qualitative and quantitative biological examination of water, milk, air and soil; methods of determining pathogenic properties of bacteria; methods of sterilization and disinfection; special work on pathogenic forms.

Professor GORHAM

25. *Biological Theories and Biological Problems.* Elective for Graduates.

Weekly seminary. A general discussion of biological theories and biological problems.

Professor MEAD

27. *Bacteriological Research.* Through the year. Elective for Graduates.

Laboratory work and seminary.

Professor GORHAM

28. *Advanced Physiology.* Through the year. Elective for Graduates who have sufficient knowledge of chemistry and physiology.

Laboratory work, supplemented by a weekly seminary at which German authors are read and discussed.

Professor TOWER

29. *Human Anatomy.* Elective for Graduates.

Laboratory instruction. In addition to the course in practical dissection, graduate students will have an opportunity to attend certain operations at the hospital and to be present at autopsies.

Dr. PERKINS and Dr. PEGRAM

XXII. BOTANY

Professor BAILEY and Mr. COLLINS

1, 2, 3. *General Morphology, Physiology and Ecology.* Three hours. Through the year. Elective for Undergraduates. For Freshmen this is increased to a four hour course by assignment of extra work.

Six hours of attendance. Comparative study of the seed, the seedling and the mature plant; variations due to environment; experiments in plant physiology, etc. Intended especially to

[XXII. Botany, continued.]

train the student to observe and properly interpret the more obvious phenomena of plant life, as well as to furnish the necessary preparation for more advanced work.

Professor BAILEY and Mr. COLLINS

4, 5. *Histology and Physiology* Three hours. First and Second Terms. Elective for students who have passed in 1, 2, 3.

Six hours of attendance. Structure and physiology of vegetable cells, tissues and organs; embryology; micro-technique.

Mr. COLLINS

14. *Medical Botany.* Three hours. Third Term. Elective for students who have passed in 5.

Five hours of attendance. Systematic study of the more important medical plants and their constituents; location, characteristics and methods of extraction of the commoner drugs.

Professor BAILEY and Mr. COLLINS

NOTE: 4, 5, 14 is offered in 1901-02; alternates with 7, 12, 9.

[7. *Lower Cryptogams.* Three hours. First Term. Elective for students who have passed in 3.] Not offered in 1901-02.

Six hours of attendance. Comparative study of the structure and development of types of the algæ and lower fungi; collection and classification.

Mr. COLLINS

[12. *Higher Cryptogams.* Three hours. Second Term. Elective for students who have passed in 7.] Not offered in 1901-02.

Six hours of attendance. Structure, development and classification of the hepaticæ, mosses, ferns, horse-tails and club-mosses.

Professor BAILEY and Mr. COLLINS

[9. *Mycology.* Three hours. Third Term. Elective for students who have passed the required examinations.] Not offered in 1901-02.

Six hours of attendance. Structure, development, collection, preservation and classification of edible, poisonous and other economic fungi; plant diseases.

Mr. COLLINS

NOTE: 7, 12, 9 alternates with 4, 5, 14 and will be offered in 1902-03.

XXIII. BIBLIOGRAPHY

Mr. KOOPMAN

1. *Books and Libraries.* Three hours. Third Term. Elective for Seniors and Graduates.

A general rather than a technical course, being designed primarily for all users of libraries, but serving as an introduction for those intending to make library work a profession. Historical bibliography, manuscripts, printing, modern book-making, publishing, book-selling, book-buying, practical authorship; libraries, ancient and modern, their chief problems, management and use. Lectures by the instructor, oral reports and written discussions by the students.

THE WOMEN'S COLLEGE

William Herbert Perry Faunce, D. D., President
Annie Crosby Emery, Ph. D., Dean

ADVISORY COUNCIL

Miss Sarah E. Doyle — Miss Amelia S. Knight
Mrs. Eliza G. Radeke — Mrs. A. I. C. D. Ames
Mrs. Annie Howes Barus

Instruction for undergraduate women is provided for by a department of the University known as the Women's College in Brown University. In graduate work all courses offered in the University are open to both men and women at the same times and places. For graduate courses and degrees see pages 35-37. In undergraduate work the aim of the Women's College is to offer to all properly prepared women precisely the same examinations, the same courses of study under the same teachers, the same degrees, the same opportunities in every respect that the University offers to men, but to preserve the distinct social life of a separate college.

The general direction, supervision and government of the Women's College is in the hands of the President. The immediate charge of the Women's College in respect to registration, teaching, government and discipline, devolves, subject to the direction of the President, on the Dean. The Advisory Council, appointed under the authority of the Corporation, advises with the President and with the Dean upon matters relating to the Women's College, and from time to time makes to the Advisory and Executive Committee, or to the Corporation, recommendations in reference to the Women's College.

The instruction in the Women's College is given by the professors and instructors in Brown University.

Brown University examinations are open to women only when they are registered in the Women's College or as graduate students.

The Corporation receives gifts of money to found scholarships, fellowships and professorships in Brown University for the behoof of its women students, and for the general purposes of the Women's College, and holds and administers such funds as separate and distinct from the general funds of the University. All gifts, legacies and bequests for the Women's College, like those meant for any other department of the University, should be made payable to "Brown University, in Providence, in the State of Rhode Island and Providence Plantations."

REQUIREMENTS FOR ADMISSION

The requirements for admission to the Women's College are the same that the University demands of men; and the entrance examinations for women are held at the same times and places and under the same conditions as those for men. In place of entrance examinations, certificates may be presented from duly authorized schools. For full information on all these points, see pages 32-51.

COURSES OF INSTRUCTION

In all the required studies classes are formed which are taught by the professors and instructors who have in charge the corresponding classes of men. Information in regard to the requirements for the various degrees may be found on pages 52-68.

The elective courses are identical in character with those offered to men. The list given on pages 69 to 128 of this catalogue may, therefore, be taken as indicating the range of choice. More precise information as to the courses offered is given each year in the circular issued at the beginning of the summer vacation.

Students who do not wish to become candidates for a degree are admitted to select courses of any extent, consisting either of special work in a single subject or of general studies for one term or more. Each applicant for registration in such a course must present to the Dean sufficient evidence of her ability to pursue successfully, the course chosen. Moreover, every special student, unless excused by the Dean and by the professors in charge of her subjects, must take the regular examinations in those subjects.

EXAMINATIONS

As a rule, women take the same examinations as those offered to men, and at the same times and places. When this is impracticable, and a separate examination is necessary, the two examinations are made as nearly identical in character as possible. Reports of proficiency are given after all examinations.

Before each University examination period the Dean files with the Registrar of the University a list of all undergraduate candidates for University examinations who are approved by the instructors in the Women's College, thus certifying to the fitness of the candidates to undertake the examinations; but no candidate is admitted to an examination whose term-bill is not paid or satisfactorily arranged-for at least five days before the beginning of the examination period.

DEGREES

Upon women students who complete with credit any of the regular courses, the Corporation of the University confers the corresponding degrees.

Special students who satisfactorily complete any of the minor courses of study receive certificates of their attainments.

PHYSICAL CULTURE

Great emphasis is laid upon physical training, and a competent teacher gives instruction in this subject throughout the year. Regular exercise with light apparatus is required three hours each week of Freshmen and Sophomores; it is elective for Juniors and Seniors.

PEMBROKE HALL

The recitation building for the Women's College is of red brick with stone and terra cotta trimmings, after the old English University style of the fifteenth and sixteenth centuries. The building is three stories high, and is fitted up with every convenience. On the first floor are the offices, a private room for the instructors, and three recitation rooms with a seating capacity of fifty-four in the smallest

and seventy-nine in the largest. The hallway is fifteen and one-half feet wide, and the main staircase runs from the first floor to the assembly room at the top of the building. On the second floor are two recitation rooms, a reception room, a study and library combined, thirty by twenty-six feet, and a magazine and reading room, eighteen by twenty-six feet. The third floor is one large hall, seventy-six by forty-four feet, with open timbered roof and two large fire-places, and on the south side a platform with a staircase from the rear to a dressing room in a half-story between the platform and reception room. In the basement, which is light, dry and airy, the students' lockers, baths, kitchen and lunch room are located.

The building is named after Pembroke College, Cambridge, England, the alma mater of Roger Williams.

LOAN FUNDS

The Rhode Island Society for the Collegiate Education of Women has founded a Loan Fund from which students of the Women's College who have completed their first year may borrow small sums on easy terms. This fund is available only for students whose record for scholarship is satisfactory to the committee which administers the loans.

COLLEGE AID

The College awards annually from its own funds scholarships of varying amount to students in need of financial aid. These scholarships are given only to students whose college work is creditable, and are withdrawn if their holders become deficient in scholarship or subject in any way to college discipline.

SCHOLARSHIPS AND PREMIUMS

The Sarah E. Doyle scholarship for young women, consisting of one thousand dollars, has been founded by the woman whose name it bears, the income to be applied toward the payment of the tuition of students in the Women's College who have been prepared for college in the Providence High School.

The sum of one thousand dollars has been paid to the Treasurer of the University to be known as "The Sarah Sutton Scholarship for young women, founded by her daughter, Mrs. Ruth Slater Arnold." The donor reserves the right to nominate candidates for this scholarship for a certain number of years.

The Daniels Scholarship Fund of twenty-five hundred dollars, founded by Harriet Daniels in memory of David Daniels, of the class of 1824, and of Francis Adolphus Daniels, of the class of 1862, the income to be used toward paying the expenses of one or more women pursuing studies either in the University or in the Women's College.

The Howard Scholarship of one thousand dollars, presented by James Leland Howard, of Hartford, Conn.

The Joseph Thayer Scholarship of sixty-five hundred dollars. The income shall be for the education of any young man *or woman*, who is a resident of the town of Uxbridge, desiring a liberal education.

The Rhode Island Women's Club annually devotes the income of its Churchill Fund toward the payment of the tuition of some worthy student in the Women's College.

The Gaspee Chapter Daughters of the American Revolution prize of forty dollars, offered by the Gaspee Chapter of D. A. R., is to be paid annually to that student in the graduating class of the Women's College who shall present the best essay upon some topic in American history. The topic for the year 1900-1901 was "The Participation of Rhode Island in the Operations Around Boston, 1775 and 1776." Miss Ruth Appleton was the sucessful competitor. The topic for the year 1901-1902 is "The Attitude and Course of College Graduates in the Revolution." The essays are to bear each an assumed name, but to be accompanied by an envelope marked with such assumed name and enclosing a sheet of paper with the candidate's real name and address. The essays must be handed to the Dean of the Women's College before May 1, 1902. The award will be announced on Commencement Day, when the topic for the ensuing year will be named.

The students of the Women's College are entitled to compete in all examinations for premiums and prizes offered by Brown University. (See index.) Women candidates successful in first premium contests receive collateral prizes awarded by the Dean.

EXPENSES

Students of the Women's College pay the same amouut as other students of the University. One-half of the tuition and of the incidental expenses is to be paid in advance. The remainder is due January first. Laboratory expenses, etc., are to be paid two weeks before the close of a term. Checks should be made payable to Annie Crosby Emery, Dean.

CANDIDATES FOR A DEGREE

Tuition, $105.00 a year. No deduction is made on account of absence.

Incidentals, $45.00 a year.

Every member of the Freshman Class pays, upon admission to the Women's College, a matriculation fee of $5.00.

Every member of the Senior Class pays, upon graduation, a fee of $8.00 for her diploma and other expenses connected with graduation.

SPECIAL STUDENTS

Special students of the Women's College are charged $10.00 a term for each course holding three recitations a week. Laboratory charges are in addition to this.

RESIDENCE

Brown University has recently acquired a home for the students of the Women's College. Mrs. Horatio N. Slater has generously presented to the College her family homestead, at 66 Benefit street, and the building has been entirely renovated and refurnished and a third story added to it. About eighteen students can be accommodated with rooms and board. The students who live in the "Slater Memorial Homestead" will have in addition certain special advantages that no boarding-house can furnish, such as a genuine college atmosphere, the best of care in case of illness, and medical attendance at reduced rates, and a personal supervision of the social life of the students.

Each student will be charged $6.00 a week during each term for furnished room and board; and $2.50 a week for room during the vacations.

Payment for each term must be made in advance. No student will be allowed to take examinations whose term bills remain unpaid. If any student is absent because of illness for more than a month reasonable reduction will be made.

Desirable homes for students may also be obtained in private families.

THE RHODE ISLAND SCHOOL OF DESIGN

The Rhode Island School of Design, which was incorporated in 1877 and opened in Providence in 1878, is an institution of large and rapidly increasing importance for the education of artisans and artists in the principles and processes of art, and for the general advancement of education in art by the exhibition of works of art and art studies, and by lectures on art. Its school building and museum are near to Brown University, and its collections are open daily to the public free of charge. Through its ordinary and special exhibitions there is opened to students an important means of culture.

The Corporation and Faculty of Brown University have agreed with the authorities of the Rhode Island School of Design upon a plan of coöperation in accordance with which certain courses at this school will be open to students of Brown University, and will be counted as qualifications for a degree. A description of these courses and a statement of the conditions under which they may be elected will be found in the lists of studies given in the departments of the Fine Arts and Drawing, on pages 83 and 109.

Students from the Rhode Island School of Design may be admitted to any classes in Brown University for which they are found to be prepared, and Brown University will give certain special courses for the benefit of classes from the Rhode Island School of Design.

LIBRARIES

The Libraries of the University consist of over one hundred and twenty-five thousand volumes. They comprise the Main Library, which occupies the Library Building, the gift of John Carter Brown of the class of 1816, the John Carter Brown Library recently given to the University, and the Department Libraries, which are placed in connection with the various laboratories and seminary rooms.

THE MAIN LIBRARY

Additions to the Main Library are constantly made with reference to the different courses of study, while at the same time there is kept in view the development of a library of general culture for the use of the students. Though many of the volumes are rare and costly, free access is allowed to the shelves. On the first two floors are arranged the books most in use, the entire west wing of the Library on the first floor being given up to History, the north wing to Periodicals, Fine Arts and Social Science, while the east wing is occupied by works on Literature and Language. The second floor is devoted to Philosophy, Theology, the Sciences and the Arts. In a separate room on this floor is shelved the Harris Collection of American Poetry. This collection, founded by Albert G. Greene, and extended by C. Fiske Harris, was bequeathed to the University by the late Senator Anthony. It receives frequent additions, and now numbers over five thousand bound volumes, being perhaps the largest collection in the world devoted to the subject. On the third floor are kept certain collections, such as works devoted to Rhode Island History, Brown University, Baptist History, and Bibliography, besides many thousand volumes of works infrequently consulted, all arranged according to the classification adopted for the lower floors.

On the first floor, upon the corner tables in the central reference room, are kept the latest numbers of the standard periodicals, American and foreign. Behind them, conveniently arranged, are

books of reference, while various shelves, particularly those on the central table, are devoted to books reserved by the departments. In this room are the Select Library of attractive reading, the Loan Desk where books are charged and returned, and the desk of the Reference Librarian whose duty is to advise and assist students in their use of the books whether for class work or for private reading and research.

The library funds amount to about seventy-five thousand dollars. Of this sum ten thousand dollars constitutes the Gammell fund for the purchase of books relating to the history of the United States; ten thousand dollars, the Olney Fund for the purchase of plants and botanical books; ten thousand dollars, the Diman Memorial Fund for the purchase of works on mediæval and modern history; and ten thousand dollars, the Banigan Fund for the purchase of books on mediæval and church history. The remainder includes several smaller special funds and the Library Fund proper.

The following persons are entitled to the use of the Library without expense: The members of the Corporation and Faculty; other college officers; graduates residing in the state of Rhode Island; donors to the funds of the University to the amount of five hundred dollars, residing in the state of Rhode Island; graduate and undergraduate students; and also other persons on whom the Corporation or the Library Committee may from time to time confer the privilege.

The Library is open during term time from 9 A. M. to 11 P. M. on week days, and from 1 to 11 P. M. on Sundays; during vacations, from 10 A. M. to 4 P. M. on week days.

THE JOHN CARTER BROWN LIBRARY

The John Carter Brown Library, which has recently been given to the University by the Trustees under the provisions of the will of the late John Nicholas Brown, A. M., of the class of 1885, is a collection of about 15,000 volumes relating to the history of North and South America during the colonial period. The larger part of the books, many of which are of great rarity and value, were printed before the year 1800, and contain the earliest published

accounts of events connected with the history of the discovery, exploration and colonization of the Western hemisphere. This collection, which has long been well known, up to the date of its transference to the University, as the most valuable private library of Americana in existence, was begun by John Carter Brown, of the class of 1816, and, since his death, has been greatly enlarged by his widow and his sons, the late John Nicholas and Harold Brown.

The library is, for the present, open only to properly qualified students, by whom arrangements to consult it may be made with the President of the University, the University Librarian, Professor MacDonald, or the special Librarian of the John Carter Brown Library.

THE GERMANIC DEPARTMENT LIBRARY

In the two rooms occupied by the Germanic department in Sayles Memorial Hall is the Conant German Seminary Library, which was purchased in Germany by the late Professor Williams, in the name of the principal donor, the Hon. Hezekiah Conant. The library now contains over six thousand carefully selected volumes, including editions of all the important writers in German literature; a large collection in Germanic philology; all the leading German literary and philological periodicals; many works upon German history, the history of German literature, and German law, art, palæography and geography. The library is especially rich in works of the Middle High German period, and in Goethe and Schiller literature. It possesses many work of art which illustrate the subjects taught, bronzes, framed engravings, and volumes of plates. All the officers of the department have their private studies here, and are thus brought into daily contact with their advanced students. The rooms are open from 8 A. M. to 10 P. M.

THE CLASSICAL DEPARTMENT LIBRARY

The Albert Harkness Classical Seminary, named in honor of its founder, Professor Albert Harkness, Ph. D., LL. D., occupies a large room in Sayles Hall. It is furnished with a library of fifteen hundred volumes, purchased with funds contributed by friends of

the University interested in classical studies. In selecting the books, the requirements of a good working library were studied with particular care. The most important collections of Greek and Roman authors, the best commentaries, reference books and similar aids are therefore to be found here; and the seminary is made the centre for advanced study and research in the classical languages and literatures. Though primarily intended for graduates, the seminary is open to such of the undergraduates as are qualified to profit by its advantages. The room is open from 9 A. M. to 10 P. M.

THE ROMANCE DEPARTMENT LIBRARY

In a room in Sayles Hall, set apart for the use of advanced students in the Romance languages, is a small but choice special library. Here all the graduate courses of the department are conducted; and one of the professors or instructors is constantly at hand to give informal assistance and advice to those admitted to the privileges of the collection.

THE BIBLICAL DEPARTMENT LIBRARY

For the use of students in the Biblical department a room in Sayles Hall has been equipped and provided with a selected reference library consisting of about one thousand volumes. A valuable collection of Semitic books has also recently been presented to the library by Mr. Jacob Shartenberg of Pawtucket. The room is open from 9 A. M. to 12 M., from 1.30 to 6, and from 7 to 10 P. M.; on Saturdays from 9 A. M. to 12 M. A curator is in attendance to assist students in verifying references.

BIOLOGICAL DEPARTMENT LIBRARY

In the rooms of the Department of Comparative Anatomy in Rhode Island Hall is a carefully chosen collection of twelve hundred volumes, to which additions are constantly made. Here also are kept the current periodicals bearing upon the work of the department. The rooms are open from 9 A. M. to 4 P. M.

THE WOMEN'S COLLEGE LIBRARY

To the library and reading room of the Women's College are devoted two beautifully appointed rooms in Pembroke Hall. The library contains over fourteen hundred volumes, all recently purchased, three hundred having been added in the year 1901. The aim of the collection is to furnish a reference library of standard literature, with special regard to the departments of study pursued, thus forming a convenient and valuable adjunct to the University Library for students of the Women's College.

OTHER SPECIAL LIBRARIES

Most of the other departments of the University have special collections of books for seminary and advanced laboratory work. The most important of these belong to the departments of Physics, Botany, Engineering, Astronomy, Mathematics, and Drawing.

THE SEARS READING ROOM

The Sears Reading Room Association, conducted by the students, occupies a commodious and well-lighted room, conveniently situated on the first floor of University Hall, fitted up especially for its use, and supplied with the most important newspapers, daily and weekly, as well as with a variety of the more popular illustrated periodicals.

OTHER PROVIDENCE LIBRARIES

There are also practically at the service of the students of the University the six collections of books named below. These comprise with the University Library more than a quarter of a million volumes, exclusive of pamphlets and manuscripts.

THE PROVIDENCE PUBLIC LIBRARY

All students of Brown University are welcome, upon the same conditions as other residents of the city, to use the carefully selected Public Library of Providence, which comprises over 94,000 volumes. Its new building, situated at the corner of Washington and Greene streets, is one of the most beautiful and best planned

library structures in America. It includes various special collections and departments. Its principal rooms are open regularly from 10 A. M. to 9 P. M.; on Sundays and legal holidays from 2 to 9 P. M. Among its special departments may be mentioned the Harris Collection on Slavery and the Civil War, on the third floor; the Educational Study-room and the "Standard Library" of best literature, on the second floor; and the Reference Department on the ground floor. The Library of the Rhode Island Medical Society is on the third floor. The library staff will be glad to be consulted with respect to books in any of the departments of University study, and to prepare lists of references in connection with any of the special topics under consideration.

THE LIBRARY OF THE PROVIDENCE ATHENAEUM

The Athenæum furnishes a home library, larger and better than that within the means of any individual shareholder. Its growth is along the lines of general literature. The library numbers 63,000 volumes, and the reading room receives upwards of 200 papers and magazines, including New York, Boston, and Providence daily papers, and American, English, German, French, and Italian weeklies, magazines and reviews. In bound sets of periodicals this library is especially rich, also in its collection of art books. Professors or teachers, non-residents of the city, may become annual subscribers on the payment of four dollars in advance, and any student of Brown University whose family does not reside in the city, or who may obtain special privilege from the board of directors, may become a subscriber for three months on the payment of one dollar in advance. The Athenæum is open, during the college year, from 9 A. M. to 10 P. M. on week days.

THE LIBRARY OF THE RHODE ISLAND HISTORICAL SOCIETY

The Library of the Rhode Island Historical Society is situated on Waterman street, next door to the University Library building. The library of the society comprises 20,000 bound volumes and 40,000 valuable unbound volumes and pamphlets. Through the

courtesy of the Society the collection is made accessible, free of charge, to members of the University. It offers special facilities for thorough research not only in all subjects relating to the history of Rhode Island, but also in many departments of general American history. Its library has also been recently enriched by a special bequest of books on the English and American drama, and by a collection of works on early American travels and ethnology. The collection is open from 9 A. M. to 4 P. M. on week days.

THE LIBRARY OF THE RHODE ISLAND MEDICAL SOCIETY

This valuable collection occupies an area of about 2,800 square feet in the new building of the Providence Public Library, on Washington street, and comprises 15,000 volumes and numerous pamphlets upon medical science, including biology, physiology, physiological psychology, hygiene, and other subjects the study of which is pursued in the University. Arrangements are easily made whereby any student can, without cost, enjoy the privileges here offered. This collection is open daily, from 2 to 6 P. M.

THE STATE LAW LIBRARY

This collection of 25,000 volumes may be consulted in the Providence County Court House, at the corner of Benefit and College streets, between the hours of 9 A. M. and 5 P. M. on week days. It is accessible to all students, and for certain lines of University study is invaluable.

THE STATE LIBRARY

The State Library, located in the State House, is accessible to the public from 9 A. M. to 4 P. M.; on Saturdays from 9 A. M. to 12 M. This library contains a large collection of official documents of the United States and of the several states, as well as general works pertaining to history and political science. Students are cordially welcome.

LABORATORIES

THE LADD ASTRONOMICAL OBSERVATORY

The observatory is equipped with a Saegmuller-Brashear equatorial of twelve inches aperture, which is supplied with a filar micrometer, spectroscope and other attachments; two transit instruments, one of which can be used as a zenith telescope; a chronograph; two astronomical clocks; several sextants and chronometers; recording meteorological apparatus; and various minor instruments. The equipment is available for illustrating the general courses in astronomy and for practical use in the applied courses open to undergraduates and graduates.

The observatory furnishes constant time-signals to the Rhode Island Electric Protective Company, by which they are distributed to its patrons. Routine observations for determining clock errors, and for pressure, temperature, humidity and precipitation are made throughout the year. Special observations are also made as opportunity offers.

THE PHYSICAL LABORATORY

All the courses of instruction offered by the department of Physics are conducted in Wilson Hall. This building was specially designed and constructed for a physical laboratory. The general lecture-room is large and well ventilated, and contains all the necessary conveniences for the experimental demonstration of lectures. Twelve laboratory rooms are available for the experimental study of physics, each room being adapted to the investigation of a particular branch of the subject or available for the arrangement of classes according to proficiency. Brick piers support instruments requiring great steadiness, and the magnetic rooms are as free as possible from iron and other disturbing influences. Several rooms on the ground floor are devoted to a laboratory for electrical engineering, and are well provided with machinery and instruments. Equipment for certain special investigations recently undertaken

has been placed at the disposal of the department by friends of the University. Efforts have been made to develop the facilities for high-temperature and high-pressure work, in the directions specified in courses 22 and 23. The cabinets are well supplied with apparatus both experimental and demonstrative, and frequent additions are made as necessity requires. In all such cases new property is selected with a view to use in the students' laboratory as well as in the lecture-room, and to the exclusion of merely exhibitional apparatus. The department is in possession of a large assortment of historical and other photographs and lantern slides, as well as of cage models illustrating the propositions in pure and applied physics.

THE ANATOMICAL LABORATORY

The laboratories of the department of Comparative Anatomy are in Rhode Island Hall, and consist of private rooms for instruction, a laboratory for graduate students, a seminary room, a physiological laboratory, a laboratory for bacteriology and histology, a laboratory for neurology and embryology, and the large laboratory for elementary anatomy and the comparative anatomy of vertebrates and invertebrates.

All the laboratories are adequately equipped with appropriate reagents and apparatus. The very large collection of zoölogical material, the anatomical and histological preparations of the museum, the anatomical collection of the Rhode Island Medical Society, and rich material frequently contributed by the United States Fish Commission from the deep sea dredging excursions, are always accessible to the students. Abundant living material is also readily available, since the laboratory is situated near the salt water and within a few miles of two floating laboratories located on opposite sides of Narragansett Bay.

The department library contains twelve hundred volumes of the more important works on biology. More than forty current biological periodicals are regularly received, and full sets of many of the most useful journals are upon the shelves. Students doing advanced work have access also to the Rhode Island Medical Library and to the Library of the Boston Society of Natural History.

THE CHEMICAL LABORATORY

The department of Chemistry occupies a building erected expressly for its use. Besides various subsidiary rooms the building contains the chemical lecture-room and laboratories.

The students' *inorganic* laboratory is supplied with appropriate work-tables and lockers furnishing accommodations for about two hundred and fifty students working by detachments. Adjacent are the balance room, the furnace room, the professor's office, and the professor's laboratory.

The students' *organic* laboratory is fitted with work-tables for about thirty students working by detachments. Each table has arrangements for gas, high-pressure water-supply, etc. The room has an excellent hood, besides large and accessible shelf-room for apparatus and supplies. The library of the chemical department is here. Adjacent to this students' laboratory are other rooms, such as the lecture-room, the professor's laboratory and the apparatus room.

THE BOTANICAL LABORATORY

The Botanical department occupies the entire basement of Maxcy Hall. The main lecture-room and laboratory will accommodate thirty-seven students. A somewhat smaller room adjoining is used for a histological laboratory and will accommodate twelve students. Instruments and certain materials are provided. The Herbarium, on the same floor, is convenient for consultation and systematic study of native and foreign plants.

THE PSYCHOLOGICAL LABORATORY

The psychological laboratory occupies rooms in Wilson Hall. It possesses a considerable variety of apparatus for the study of sensations, the determination of discriminative sensibility, the measurement of the duration of mental processes, the detection of physiological accompaniments of changes in consciousness, the study of temperament, and other fields of research. This equipment is especially well adapted for the illustration and demonstration of the main results of experimental work in psychology. Experimental

psychology, however, is a science of recent origin, and its many yet unsolved or even unsuspected problems offer a rich field for further investigation. The department aims to make contributions to knowledge on this subject by original research; and the apparatus already possessed, that which can be supplied by the University workshops or by purchase, together with what can be prepared in the laboratory itself to meet the demands of the particular problem, offer good facilities for undertaking such work.

THE MECHANICAL ENGINEERING LABORATORY

The laboratory, situated in the basement of Sayles Memorial Hall, is provided with excellent apparatus for making the most important tests on the strength of materials. The apparatus includes a 50,000-pound Riehlé testing machine, a machine for testing full-sized timber and steel beams, a Riehlé cement-testing machine and various pieces of auxiliary apparatus. A 50,000-inch-pound Olsen torsion-testing machine has recently been added.

Laboratory tests connected with the course in steam engineering use as a basis the various engines and boilers operated by the University. A Deane and a Worthington steam pump are connected with weighing tanks, for the purpose of making accurate duty tests.

THE LABORATORY OF METALLOGRAPHY

The laboratory is in University Hall, opening from the Drawing Room, and is equipped with the necessary apparatus for investigating the nature and structure of metals and alloys. In connection with the laboratory is a properly equipped photographic dark room. The apparatus includes polishing machines for preparing specimens, an excellent Leitz microscope with accessories including photographic apparatus, a thermo-electric pyrometer and lantern-slide apparatus.

THE MECHANICAL ENGINEERING WORKSHOPS

There are two workshops, one for wood-working and the other for metal-working. The wood-working shop is provided with large and small lathes; circular, band and jig saws; buzz and surface

planers, and vertical boring and mortising machines. The metal-working shop has several engine lathes of good sizes, hand lathes, a planer, a shaper, a milling-machine, large and small vertical drills, a universal grinder, a surface grinder, and a cutter and reamer grinder. The machine tools are run by two ten-horse-power electric motors. Both shops are well supplied with benches and bench tools.

THE DRAWING ROOMS

The drawing rooms devoted to mechanical and freehand drawing are on the top floor of University Hall and are reached through the south entrance. These rooms are large and well-lighted and accommodate two hundred students. About two hundred and twenty-five valuable models in wood and metal have been collected. Many of these are mechanical in nature and are extensively used in the courses. The department possesses a dark room, exposure frame and washing tank, for preparing and developing blue-prints. Connected with the main drawing room is a library and reading room in which may be found such books of the University Library as relate to drawing and allied subjects together with other books which are owned by the department. A limited number of sets of drawing instruments have been provided for the use of deserving students who would otherwise be unable to pursue desired courses in drawing.

A large and well equipped drafting room has recently been erected over the mechanical engineering workshops for the use of the departments of civil and mechanical engineering. This room has desks for about sixty students and also contains the office of each department and the departmental libraries. Several hundred drawings and photographs have recently been acquired which greatly facilitate the instruction in design.

MUSEUMS

THE MUSEUMS OF ZOÖLOGY AND ANTHROPOLOGY

The Museums of Zoölogy and Anthropology are in Rhode Island Hall, and are open to the public daily. Students desiring to use the collections for the purpose of study or investigation receive every encouragement, the aim being to make the museums not mere exhibition rooms, but places for work. The zoölogical and anatomical collections of the University form the Jenks Zoölogical Museum. The Museum of Anthropology contains a collection of articles of dress and rare implements from foreign countries, and a valuable collection of stone implements of the aboriginal races of America.

THE HERBARIUM

The Herbarium, situated in Maxcy Hall, consists mainly of various collections which have been given or bequeathed to the University. Those of Colonel Olney, Mr. Bennett, Professor Bailey, Miss Stout, and Mr. Brownell are the most prominent. The Olney collection is particularly rich in the genus *Carex*. The Stout collection consists mostly of ferns. In addition to these collections, many specimens have been obtained by exchange, purchase and small donations. The Olney, Bailey, and Stout collections are nearly all mounted; the remainder are mainly unmounted. These collections are merged in one general herbarium and deposited in cases. They were roughly estimated, a few years ago, to contain in all about 40,000 sheets, representing specimens from more than 60,000 localities. The arrangement of orders and genera of the flowering plants is at present according to Bentham and Hooker's *Genera Plantarum;* the ferns, according to Hooker's *Synopsis Filicum;* the mosses, according to Eaton's list. These

are soon to be arranged according to Engler and Prantl's *Natürliche Pflanzenfamilien*. To these is added the nucleus of a collection of seeds.

Many portraits of famous botanists hang on the walls of the Herbarium room. For these the University is indebted to the generosity of Mr. Charles H. Smith and Miss Hunt of Providence, Casimir de Candolle of Switzerland, Dr. Kennedy of Readville, Mass., and others. A painted portrait of Colonel Stephen T. Olney, the founder of the department, has been presented to the Herbarium by his niece, Mrs. F. H. Peckham.

THE MUSEUM OF FINE ARTS

The Museum of Fine Arts occupies the first floor of Manning Hall. It contains plaster casts of rare excellence, chiefly from works of classical sculpture, which are of great value in illustrating ancient history, biography and art.

PORTRAITS

The University possesses a large number of valuable portraits. Most of them are hung in Sayles Memorial Hall, which is thus made one of the chief centres of attraction on the University grounds. The collection receives accessions every year. It now includes portraits of the University's principal benefactors, of many of its former officers, and of many other distinguished persons, Americans and foreigners; the history of Rhode Island being especially well represented.

PHYSICAL CULTURE

A certain amount of systematic physical training is required of every undergraduate connected with the University, unless he is physically unable to engage in it.

Upon entering the University every student receives a thorough physical examination by the Director of Physical Culture. From this examination a chart is made out for the student, showing his size, strength and development, and how he compares with the normal standard. Along with these data is given a card indicating how any weakness that may exist is to be remedied, and affording advice in reference to bathing and the general care of the body.

From January until April every student is required to exercise three hours a week in the Lyman Gymnasium. Most of this exercise occurs in classes. For class drill, the Freshmen swing Indian clubs; the Sophomores employ dumb bells; the Juniors engage in single-stick exercise; the Seniors use fencing foils. As a supplement to these drills each class is separated into four divisions, which perform exercises upon chest-weights, horizontal and parallel bars and other apparatus. The movements executed are graded to correspond with the strength and advancement of the several divisions. During the Sophomore and Junior years boxing and wrestling are carried on also in classes. These forms of exercise carefully conducted prove to be in the highest degree popular and beneficial. The remainder of the required three hours a week each student devotes to the fulfillment of the directions given him on the card made out from the measurements taken at the beginning of the year. Each student is regularly marked and credited in his gymnasium work on the basis of faithfulness and punctuality.

In addition to the exercise in the gymnasium, every effort is made to encourage interest in out-door sports and participation in them at proper seasons of the year. Regular exercise in the open air is urged upon students as of very great importance. Lincoln

field adjoins the gymnasium, and Andrews field, about a mile from the University, is available for all forms of athletic contests.

The general control of all athletic organizations is in the hands of a committee of the Faculty.

HOSPITAL BEDS

The University owns two free beds in the Rhode Island Hospital, to the occupancy of which the President of the University has the right of appointment. The first of these, THE CHARLES SMITH BRADLEY FREE BED, was established in 1872 by a payment to the hospital of four thousand dollars by the late Judge Bradley, a member of the Board of Fellows, thereby endowing a free bed "under the control of the President of Brown University for the time being, for the benefit of any officer or student of that institution who may have occasion for it." The second, THE GEORGE IDE CHACE FREE BED, was established by a payment to the hospital of a like sum by the late Professor George Ide Chace; this foundation gives to the President of the University "the right to nominate and send to said hospital a patient, being a proper subject for treatment in said hospital, according to the rules of the institution to occupy a bed in said hospital, and to receive the usual care, and medical, surgical and other attendance, and medicines and board, free of charge."

STUDENT ADVISERS

The system of student advisers has been instituted in the University. Every member of the Freshman class is assigned to some member of the Faculty, who serves throughout the year as a special counsellor and friend to that student. The preferences of students and the advisers are consulted when practicable. It is believed that many students are graduated from the University without that personal acquaintance with the Faculty which is usual in smaller institutions. Under the elective system, students are frequently at a loss to decide upon courses of study. On these and other matters the student will be at liberty at any time to seek the counsel of his adviser. The relation between the student and his adviser, being voluntary to each, is designed to be perfectly fraternal.

THE RELIGIOUS LIFE OF THE UNIVERSITY

Brown University was founded by men of profoundest religious impulse and unswerving faith in Christianity. While no religious tests are ever imposed on any officer or student, but perfect freedom is guaranteed to all, the authorities of this University believe that the religious development of students is a matter of primary importance, and that no intellectual culture can compensate for the atrophy of the religious nature. The atmosphere of the University is frankly and unequivocally Christian.

Chapel exercises are held in Sayles Hall every morning on week days at 8.40. At the same hour the Women's College has its chapel service in Pembroke Hall. The President usually conducts the exercises in one hall or the other. Attendance is required for undergraduate students.

All students are desired and encouraged to attend divine worship on Sunday, and the churches of the city are most cordial in their attitude toward the student body.

The Brown University Young Men's Christian Association holds its meetings on Wednesday evening. It also conducts four distinct Bible classes, meeting once a week with excellent results. Several of the different religious denominations represented in the University have their associations or clubs for the promotion of mutual acquaintance and sympathy.

Many of the courses of study offered in the regular University work, such as the courses in Philosophy, Ethics, and Biblical Literature and History, are taught not merely from motives of intellectual curiosity and enthusiasm, but with deep desire to mould character and lead men through nature and history to God. The widening of the curriculum and the multiplication of studies have only imparted new significance to the motto on the seal of the University: "In Deo Speramus."

ATTENDANCE, EXAMINATIONS AND REPORTS

REGISTRATION AND ATTENDANCE

All undergraduate students and resident graduate students who desire to attend the University during a given term are required to register at the Registrar's office before the first day of such term. Every undergraduate student registered or re-registered on or after the first day of any term is charged for such registration or re-registration a fee of three dollars, to be remitted only by the President or Dean, and only on presentation of a substantial excuse for the lateness or the change. Any modification of a registration once made is accounted a re-registration.

Each student is expected to attend the daily chapel service and also every exercise in the several studies to which he is assigned.

EXAMINATIONS AND STANDING

Except in laboratory, seminary and similar work, all classes are examined at the close of each term.

A student is not admitted to examination in a study in which his term work is unsatisfactory to the officer of instruction or from which he has been absent one-half of the time assigned to the study.

The standing of students is indicated by letters as follows:

H is assigned to those whose work has been exceptionally good.

C is assigned to those who have passed with credit.

P is assigned to those who have passed in the subject, but deserve no higher recognition.

F is assigned to those whose work during the term has been so unsatisfactory that in the opinion of the instructor they should not be allowed an examination, or to those whose examination has been so unsatisfactory that it should, in the opinion of the instructor, constitute a failure without regard to the work of the term, or to those who in the combined work of the term and the examination have failed to pass in the subject.

I is assigned to those whose work is incomplete, but satisfactory so far as done.

Abs is assigned to those who are absent from examination, unless *F* has already been assigned.

Whenever a student's absence from examination has not been excused by the Committee on Absences, the mark *Abs* is changed to *F*.

A student who receives the mark *F* must pursue the subject again with a succeeding class, or if the instructor allows, under a tutor appointed by the head of the department; or, if the failure is in an elective course, he may take as a substitute some other course approved by the Committee on Admission to Advanced Standing.

Examinations other than those regularly appointed are not held except in case of (1) candidates for advanced standing whose examinations are authorized by the Committee on Advanced Standing, (2) students detained from the regular examination whose absences have been excused by the Committee on Absences, (3) students who have been allowed to pursue, under appointed tutors, studies in which they have failed at a regular examination.

A student who wishes to take a special examination must obtain from the Registrar a written authorization, for which he shall pay a fee of $2.00, unless this is remitted by the President or Dean, and must then arrange with the officer of instruction for the examination.

A student who at the close of a term has failed in three or more studies, counting for more than eight hours of work a week, cannot be again registered without special action of the Faculty.

REPORTS OF ATTENDANCE AND PROFICIENCY

A careful record is kept of the attendance of every student of the University, and of his proficiency in his several studies. The standing of every undergraduate student is determined at the close of each term. A report is sent to the parent or guardian of every undergraduate student containing the record of all absences from required exercises, indicating his standing in each of his studies for the term, and announcing his deficiency in any study or studies if such deficiency exists.

EXPENSES

Upon registration every student is required to present a guarantee covering all his college expenses, signed by his parent or guardian, or other responsible person.

Term bills are due, and must be paid or their payment secured, on presentation, at the beginning of each term.

REGULAR UNIVERSITY DUES

UNDERGRADUATE CANDIDATES FOR DEGREES

The dues of each undergraduate candidate for a degree are as follows:

Tuition, $35 a term; $105 a year.

General incidentals, $15 a term; $45 a year.

The incidental expenses are for the printing of programs, examination papers, and the like, the use of the library and gymnasium, heat for these and for the halls and recitation rooms, and the wages of servants to care for the same.

Each undergraduate candidate for a degree pays, upon matriculation, a fee of $5.

Every member of the Senior class pays upon graduation a fee of $8 for his diploma and other extra expenses connected with graduation.

For laboratory dues, see below.

For expenses of college rooms, see below.

Students leaving college before the middle of a term, unless for misconduct or failure in scholarship, pay in tuition, incidentals and laboratory fees (exclusive of breakage which is charged at cost) only half the usual term dues. Students leaving college on account of misconduct or failure in scholarship receive no reduction.

SPECIAL STUDENTS

Special students in the University pay, as a rule, full tuition and incidentals, but the charge is proportionately less when students are admitted to courses of less than fifteen hours of class attendance a week.

GRADUATE STUDENTS

The fees for graduate students in residence are:

Tuition, $50 a term; $150 a year.

Examination for the degree of Master of Arts, $15.

Examination for the degree of Doctor of Philosophy, $25.

Laboratory dues, see below.

A candidate in residence for the degree of Master of Arts who has paid tuition for one year may, if necessary to the attainment of his degree, continue his studies for one year more without additional charge.

A candidate in residence for the degree of Master of Arts who, without remitting his studies, becomes a candidate for the degree of Doctor of Philosophy is credited with whatever tuition he has already paid, in case his previous work is allowed to count toward the higher degree.

A candidate for the degree of Doctor of Philosophy who has paid tuition for two years may, without additional charge, continue his studies for two years more if necessary to the attainment of his degree.

The fees for a non-resident candidate for the degree of Master of Arts are:

Registration fee, $25.

Tuition, $10 a term; $30 a year.

Examination fee, $15.

For laboratory dues, see below.

A non-resident candidate is entitled, upon payment of the above fees, to pursue one three-hour course at the University. For each additional one-hour course $5 is charged; for each additional two-hour or three-hour course, $10.

A non-resident candidate who has paid tuition for two years may, if necessary to the attainment of his degree, continue his

studies for two years more without additional charge, except for work taken in class-room, as stated in the preceding paragraph.

Graduate students not candidates for a degree pay for each course of one hour a week, $5; for each course of two or three hours a week, $10.

SPECIAL LABORATORY DUES

Graduate students are charged $5 a term for a three-hour laboratory course. No graduate student, however, whose tuition fees are paid is charged, aside from breakage, more than $35 a term for all laboratory work.

CHEMISTRY

Students who take courses 1, 2 or 3 are charged $3 a term, in addition to the regular charges for tuition.

Students who take advanced courses in analytical chemistry are charged $5 a term for a three-hour course, and $10 for a six-hour course, in addition to the regular charges for tuition.

Graduate students pay the same fees as undergraduate students.

The above fees include the use of common chemicals but students are charged for breakage and special chemicals.

PHYSICS AND ENGINEERING

Students who take courses in the physical laboratory pay $5 a term for a three-hour course (six hours attendance).

Students who take shop-work pay $10 a term for a three-hour course (six hours attendance).

BOTANY

Students who take courses in Botany pay $3 a term.

COMPARATIVE ANATOMY

The charge for a laboratory course varies from $2 to $5.

ESTIMATE OF ANNUAL EXPENSES

The following is an approximate estimate of the annual expenses of a student occupying (with a room-mate) a dormitory room, without including clothes, travelling or other strictly personal expenses.

	Minimum.	Medium.	Maximum.
Tuition	$105	$105	$105
Incidentals	45	45	45
Room rent, including heat and service.	25	60	125
Board (40 weeks)	100	150	280
Books and laboratory expenses	10	30	75
Total.	$285	$390	$630

Matriculation fee (first year), $5.
Graduation fee (fourth year), $8.

Board is not furnished by the University; but a list, kept by the Steward, of eligible families in the city where board can be obtained, is always accessible to the students. The Brown University Co-operative Refectory, organized and controlled by students, furnishes its shareholders with board exactly at cost. At present the price is $3.75 a week, or $3.50 if paid in advance. The shares number 120 and their par value is $10 each. Board is furnished at the same rate to ticket-holders, who pay a fee of $2 a year or $1 a term. A number of shares in the Refectory are for sale at the end of each collegiate year, usually at prices not much above their par value.

Students needing to increase their incomes through their own exertions find in the city numerous opportunities for doing so, by giving private instruction, by teaching in evening schools and by other occupations not necessarily inconsistent with their college duties.

DORMITORY ACCOMMODATIONS

In the College Dormitories there are in all one hundred and forty-seven single rooms and twenty-one suites.

The rooms in Hope College, University Hall, Slater Hall, the Messer House and the College Street House are rented entirely unfurnished. Those in Maxcy Hall and the Howell House contain all necessary furniture, occupants providing nothing except bed-linen and towels.

The prices given in the following tables include rent, heat and service for the college year. In the Messer House, the Howell House and the College Street House the gas is included. In Slater Hall, University Hall, Hope College and Maxcy Hall there are gas meters for each room and the occupants are charged for the gas used each term.

ROOM CONTRACTS

Each student renting a room must sign a contract therefor in the form given below, on which surety may be demanded, binding him to pay or see paid the rent of the room through the entire year. Where two students rent a room together, each must sign a contract for half the room expenses. This obligation is not impaired by the student's removal from the University, whatever the cause of such removal.

FORM OF CONTRACT

The following is a contract between Brown University, party of the first part, and the undersigned, party of the second part. I hereby engage room No. in ; the same not to be occupied by any other person without consent of the party of the first part, and I bind myself to pay or cause to be paid to the Registrar of Brown University the entire rent, including heat and service, amounting to $ for the college year beginning September, 190 .

It is a part of this agreement that I shall be held responsible for all damage or defacement of such room or its furniture, ordinary wear excepted; also that disuse of the room by me on account of illness, or in case registration is refused me owing to low standing or bad conduct, does not impair the obligation of this contract.

Signed ....

This day of 190 .

Students who desire to retain the rooms rented by them during the present year may do so by signing new contracts for the coming year. These contracts must be filed with the Registrar on or before May 17, 1902.

All rooms not signed for on the above date will be disposed of at a drawing on May 30th at 10 A. M. Men intending to enter college can arrange to be represented at the drawing by notifying the Registrar.

Not more than two students are allowed regularly to occupy a room or suite.

When the University holds full contracts for a room, the tenant or tenants may admit one or two day-roomers, but not more than two. The names of any such day-roomers must be reported to the Registrar as soon as the arrangement for sub-occupancy is made.

For each day-roomer the University makes an extra charge of one dollar per term for service. This sum is paid to the University by the tenant in chief if there is but one; if there are more it is divided equally among them.

The following conspectus shows the rent and location of each dormitory room controlled by the University.

HOPE COLLEGE

	Division	Floor	Windows Face	Bedrooms	Rent
1	South ...	1	E. & S.	There are no separate bedrooms, but Nos. 1 and 2, 5 and 6, 9 and 10, 35 and 36, 39 and 40, 43 and 44, can be used either as suites or as single rooms.	$123
2	" ...	"	W. & S.		129
3	" ...	"	W.		123
4	" ...	"	E.		120
5	" ...	2	E. & S.		123
6	" ...	"	W. & S.		129
7	" ...	"	W.		123
8	" ...	"	E.		120
9	" ...	3	E. & S.		114
10	" ...	"	W.& S.		120
11	" ...	"	W.		114
12	" ...	"	E.		108
13	" ...	4	E. & S.		108
14	" ...	"	W. & S.		114
15	" ...	"	W.		108
16	" ...	"	E.		105
17	Middle...	1	E.		120
18	" ...	"	W.		123
19	" ...	"	W.		123
20	" ...	"	E.		120
21	" ...	2	E.		120
22	" ...	"	W.		123
23	" ...	"	W.		123
24	" ...	"	E.		120
25	" ...	3	E.		108
26	" ...	"	W.		114
27	" ...	"	W.		114
28	" ...	"	E.		108
29	" ...	4	E.		105
30	" ...	"	W.		108
31	" ...	"	W.		108
32	" ...	"	E.		105
33	North ...	1	E.		120
34	" ...	"	W.		123
35	" ...	"	W.		135
36	" ...	"	E.		135
37	" ...	2	E.		120
38	" ...	"	W.		123
39	" ...	"	E. & N.		135
40	" ...	"	E. & N.		135
41	" ...	3	W.		108
42	" ...	"	W.		114
43	" ...	"	W. & N.		123
44	" ...	"	E. & N.		123
45	" ...	4	E.		105
46	" ...	"	W.		108
47	" ...	"	W. & N.		114
48	" ...	"	E. & N.		114

UNIVERSITY HALL

No.	Division	Floor	Windows Face	Bedrooms	Rent
10	South ...	2	S. & W.	2	$250
12	" ...	"	W.	None	115
13	" ...	"	W.	"	115
16	" ...	"	E.	"	100
17	" ...	"	E.	"	106
18	" ...	"	E. & S.	"	133
19	" ...	3	S. & W.	2	240
21	" ...	"	W.	None	112
22	" ...	"	W.	"	112
25	" ...	"	E.	"	100
26	" ...	"	E.	"	100
27	" ...	"	E. & S.	"	121
28	" ...	4	S. & W.	2	220
30	" ...	"	W.	None	100
31	" ...	"	W.	"	100
32	" ...	"	E.	"	97
33	" ...	"	E.	"	97
34	" ...	"	E. & S.	"	121
36	North ...	1	College Book Store		
40	" ...	2	W.	None	115
41	" ...	"	W.	"	115
43	" ...	"	W. & N.	2	250
44	" ...	"	E. & N.	None	121
45	" ...	"	E.	"	106
46	" ...	"	E.	"	100
47	" ...	3	W.	"	106
48	" ...	"	W.	"	106
50	" ...	"	W. & N.	2	240
51	" ...	"	E. & N.	None	115
52	" ...	"	E.	"	100
53	" ...	"	E.	"	100
54	" ...	4	W.	"	100
55	" ...	"	W.	"	100
57	" ...	"	W. & N.	2	210
58	" ...	"	E. & N.	None	115
59	" ...	"	E.	"	97
60	" ...	"	E.	"	97

Maxcy Hall

No.		Floor	Windows Face	Rent
201		2	E.	$140
202		"	"	140
203		"	E. & S.	140
204		"	W. & S.	135
205		"	W.	135
206		"	"	135
207		"	"	135
208		"	"	135
209		"	W. & N.	135
210		"	E. & N.	140
211		"	E.	140
212		"	"	140
313		3	"	140
314		"	"	140
315		"	E. & S.	140
316		"	W. & S.	135
317		"	W.	135
318		"	"	135
319		"	"	135
320		"	"	135
321		"	W. & N.	135
322		"	E. & N.	140
323		"	E.	140
324		"	"	140
425		4	"	140
426		"	"	140
427		"	E. & S.	140
428		"	W. & S.	135
429		"	W.	135
430		"	"	135
431		"	"	135
432		"	"	135
433		"	W. & N.	135
434		"	E. & N.	140
435		"	E.	140
436		"	"	140

College St. House.

1		2	E.	100
2		"	W. & N.	125
3		"	E. & S.	150
4		"	S. & W.	140
5		"	S.	100

Slater Hall

No.	Division	Floor	Windows Face	Bedrooms	Rent
1	South	1	E. S. & W.	2	$260
2	"	"	E. & W.	1	200
3	"	2	E. S. & W.	2	260
4	"	"	E. & W.	2	245
5	"	3	E. S. & W.	2	250
6	"	"	E. & W.	2	245
7	"	4	E. S. & W.	1	175
8,9	"	"	W.	None	194
10	North	1	E. W.	2	245
11	"	"	E. W. & N.	2	245
12	"	2	E. W.	2	245
13	"	"	W.	None	81
14	"	"	W. N. E.	2	260
15	"	3	W. E.	2	240
16	"	"	W.	None	70
17	"	"	W. N. E.	2	250
18	"	4	E.	None	91
19	"	"	W.	"	127
20	"	"	W. N. E.	1	160

Messer House.

1		1	E. S.	None	90
2		"	S. W.	"	90
3		"	W.	"	80
4		"	E.	"	90
5		"	W.	"	55
6	Trunk Room.				
7		2	E. S.	None	95
8		"	S. W.	"	95
9		"	E.	"	75
10		"	W.	"	95
11		"	E.	"	75
12		"	W. N.	"	80
13		3	W.	"	45
14		"	W.	"	45
15		"	E.	"	55
16		"	N.	"	50

Howell House.

1		1	S. & E.	None	130
2		"	S.	"	100
3		"	E. & W.	"	60
4		"	N.	"	85
5		2	S. & E.	1	110
6		"	S.	None	100
7		"	N.	1	105
8		3	E. & S.	None	75
9		"	S. & W.	"	15

Directory to the Dormitories

Slater Hall, South Division, Rooms 1 to 9.
Slater Hall, North Division, Rooms 10 to 20.
University Hall, South Division, Rooms 1 to 34.
University Hall, North Division, Rooms 35 to 61.
Hope College, South Division, Rooms 1 to 16.
Hope College, Middle Division, Rooms 17 to 32.
Hope College, North Division, Rooms 33 to 48
Maxcy Hall, Rooms 201 to 436.
Messer House, Rooms 1 to 16.
College Street House, Rooms 1 to 5.
Howell House, Rooms 1 to 9.
The Howell, College Street and Messer Houses were formerly private residences. In them the rent for each room includes gas.

FINANCIAL AID TO STUDENTS

The aid which Brown University is able to offer students of limited means is granted under three conditions: (1) The recipient must be a candidate for a degree, having been fully admitted to the Freshman class or to advanced standing; (2) the recipient must be of good moral character and maintain a creditable standing in his studies; the aid is withdrawn if the student is placed under College Discipline or fails to maintain good scholarship; an average *C* on the marking system now in use is expected; (3) the recipient must be in need of the financial assistance rendered. An application upon a blank form prepared for this purpose must be made to the Committee on Scholarships.

The aid rendered is of three kinds: (1) Loans; (2) Gifts; (3) Work for which wages are paid.

A. LOAN FUNDS

The University has two funds, available for this purpose:

I. The Alumni Loan Fund, now amounting to about $4,300. This Fund was established by the Alumni Association at the Commencement of 1900 by a vote transferring to the Treasurer of the University the fund formerly known as the Brown Loyalty Fund, to be used as a Loan Fund for students. The principal of this fund is loaned at interest, to be repaid as agreed upon in each instance.

II. A fund of several hundred dollars, which is loaned in small amounts without interest, for short terms, to students unexpectedly needing temporary assistance.

B. FELLOWSHIP, SCHOLARSHIP AND AID FUNDS

1. FELLOWSHIPS FOR GRADUATE STUDENTS

GRAND ARMY OF THE REPUBLIC FELLOWSHIP

In 1891 the Grand Army of the Republic, Department of Rhode Island, gave to Brown University the sum of ten thousand dollars, to be forever known as the Grand Army of the Republic Fellowship Fund. Only the income of the fund can be used. This income is

for the aid of the graduate of Brown University, of acknowledged excellence in scholarship and character, who before accepting this fellowship must be enrolled as a candidate for the degree of Doctor of Philosophy, unless he has already received that degree, and who will reside at Brown University and devote his entire time to the pursuit of advanced liberal study. The intention is that the income for any year shall all go to the same person, except in case of his death, or his resignation or forfeiture of the fellowship, when a successor may be appointed for the remainder of the year. Holders of the fellowship are appointed by the President of the University, subject to the approval of the Board of Fellows; but the descendants of Union veterans of the Civil War of 1861-65 are always to be preferred when the other qualifications of candidates are equal. No consideration touching the political or religious preferences of candidates can ever enter into the appointments. Appointments to the fellowship are regularly made for one year, but incumbents of special diligence or ability may be reappointed. The President is authorized to make for the reception and use of the income from this fund such other conditions, not inconsistent with the above, as he may from time to time deem wise and proper. Applications for this fellowship must be made in writing on blanks furnished by the Secretary of the Committee on Graduate Students, and must be in the hands of the President not later than the fifteenth of May. The Grand Army of the Republic Fellow for 1901-02 is

George Ellett Coghill, A. B., Sc. M.

PHILADELPHIA ALUMNI FELLOWSHIP

This is another fund, to be ten thousand dollars, which the Philadelphia Alumni Association of Brown University will soon render available. Its general purpose is to assist graduate students of special ability in pursuing advanced studies at the University.

2. FUNDED SCHOLARSHIPS

These are funds, presented to the University at various times, the incomes of which are awarded annually according to the conditions attaching to each. The early scholarships, established when the

rate of interest was higher than at present, and the cost of education less, were each of $1,000. There are now seventy-six scholarships of this amount, each with a designated name and yielding the beneficiary $45 annually; with the exceptions indicated, they bear the names of their founders.

The Eleven Nicholas Brown Scholarships.

The Four University Scholarships.

The President's (Sears) Scholarship.

The Six Alva Woods Scholarships.

The James H. Duncan Scholarship.

The Isaac Davis Scholarship.

The Arnold Whipple Scholarship, founded by Mrs. Arnold Whipple.

The Ephraim Wheaton Scholarship, founded by James Wheaton.

The Joseph Brown Scholarship, founded by Mrs. E. B. Rogers.

The Gardner Colby Scholarship.

The Crocker Scholarship, founded by Robert H. Ives and Thomas P. Ives, trustees.

The Clark Scholarship, also founded by the Messrs. Ives.

The George K. and H. A. Pevear Scholarship.

The Joseph C. Hartshorn Scholarship I.

The Rogers High School Scholarship, founded by William Sanford Rogers.

The James Wheaton Scholarship.

The Charles Thurber Scholarship.

The Pardon Miller Scholarship, founded by Mrs. Ann E. Miller.

The Hezekiah S. Chase Scholarship.

The William Bucknell Scholarship.

The Austin Merrick Scholarship, founded by Mrs. Olive E. Merrick.

The Horatio N. Slater Scholarship.

The Earl P. Mason Scholarship.

The Newport Scholarship, founded by William Sanford Rogers.

The Alexis Caswell Scholarship.

The Three (Henry) Jackson Scholarships.

The Mumford Scholarship, founded by Mrs. Louisa D. Mumford.

The Albert Day Scholarship.

THE HENRY P. KENT SCHOLARSHIP.

THE ROMEO ELTON SCHOLARSHIP.

THE FIVE ANNIE E. WATERS SCHOLARSHIPS.

THE L. FAIRBROTHER SCHOLARSHIP, founded by Mrs. L. Fairbrother.

THE GEORGE LAWTON SCHOLARSHIP.

THE JOHN P. CROZER SCHOLARSHIP, founded by Mrs. Margaret Bucknell.

THE JAMES Y. SMITH SCHOLARSHIP.

THE TWO S. S. BRADFORD SCHOLARSHIPS.

THE FRANCIS R. ARNOLD SCHOLARSHIP.

THE CORNELIA E. GREEN SCHOLARSHIP.

THE HENRY CLIFFORD KNIGHT SCHOLARSHIP, founded by Miss Amelia S. Knight, in memory of her brother, of the class of 1875.

THE THURSTON SCHOLARSHIP, founded by the Hon. Benjamin F. Thurston, LL. D., of the class of 1849.

THE RUFUS BABCOCK SCHOLARSHIP, founded by Mrs. Caroline Vassar Babcock Jones, in memory of her father, the Rev. Rufus Babcock, D. D., of the class of 1821.

THE JAMES FLETCHER BLACKINTON SCHOLARSHIP, founded by Mrs. Mary D. Blackinton, in honor of her husband, James Fletcher Blackinton, of the class of 1847.

THE FIVE WILLIAM A. WHITE SCHOLARSHIPS, founded by Mrs. Abby S. A. White, in honor of her husband, William A. White, of the class of 1857.

THE RICHARDS SCHOLARSHIP, founded by the Rev. William Coolidge Richards, of the class of 1837.

THE SAMUEL WHITE DUNCAN SCHOLARSHIP, founded by Mrs. Mary Duncan Harris.

THE S. DRYDEN PHELPS SCHOLARSHIP, founded by the Rev. S. Dryden Phelps, D. D., of the class of 1844, the income to be given each year to some student who is preparing for the Baptist ministry.

THE BENJAMIN HUTCHINSON JUDAH SCHOLARSHIP.

Besides the above scholarships there are others of larger amounts as follows:

THE TWO GEORGE J. SHERMAN SCHOLARSHIPS, paid from a fund of $2565.

THE BARTLETT SCHOLARSHIP, of four thousand dollars, founded by Mrs. Elizabeth Slater Bartlett; the income to be "devoted to the support of one or more students needing pecuniary aid, and giving promise, by studious aim and by character and scholarship, of rising to distinction and usefulness."

THE GLOVER SCHOLARSHIP, of five thousand dollars, founded by Henry R. Glover, "in memory of his father, Samuel Glover, of the class of 1808, and of his brother, Samuel Glover, Jr., of the class of 1839."

THE REBECCA A. WHEELER SCHOLARSHIP, of fifteen hundred and seventy-one dollars, founded by the lady whose name it bears; the income to assist some worthy student, preferably a candidate for the Baptist ministry.

THE SCHOLARSHIP OF THE CLASS OF 1838, of thirty-eight hundred dollars.

THE JOSEPH CHARLES HARTSHORN SCHOLARSHIP II, of two thousand dollars.

THE BANIGAN SCHOLARSHIPS I AND II, of three thousand dollars each, founded by the late Joseph Banigan of Providence; the income as far as necessary, to be used each year to defray the tuition of two students of the University.

THE GEORGE IDE CHACE SCHOLARSHIP, of five thousand dollars, founded by Professor George Ide Chace, the income to be assigned each year by the Faculty to some member of the Senior class needing the money, who shows "marked ability, exemplary industry, generous aspirations and irreproachable character."

THE ABBY WHEATON CHACE SCHOLARSHIP, of four thousand dollars, also founded by Professor George Ide Chace; the income to be assigned yearly by the Faculty to some member of the Junior class needing the money, who shows "marked ability, exemplary industry, generous aspirations and irreproachable character."

If either in the Senior or in the Junior class there chances to be no person fulfilling the requirements of either of these two scholarships, the proceeds of the scholarship for that year must, under the proper direction, be appropriated to the purchase of books for the library of the University.

THE JOHN L. LINCOLN SCHOLARSHIP, of twenty-five hundred dollars, and the TRUMAN BECKWITH SCHOLARSHIP, of twenty-five hundred dollars, founded by the late Abby G. Beckwith.

THE THAYER SCHOLARSHIP, founded by Edward C. Thayer, in honor of his father, Joseph Thayer, of the class of 1815; the income to be for the education of any young man or woman a resident of Uxbridge, Mass., endorsed by the Selectmen and Superintendent of Schools there, needing pecuniary aid and giving promise by character and scholarship of a life of usefulness. If there is no applicant from Uxbridge the income may go to any applicant from Massachusetts who fulfills the conditions.

THE WALTER G. WEBSTER SCHOLARSHIPS, founded by Walter G. Webster, of the class of 1878; the income to go each year to two young

men, members of the Freshman class, holding the full diploma of the Classical High School of the city of Providence and duly matriculated for the degree of Bachelor of Arts; "the nomination to rest with the Principal of said school, and to be made on the basis of character and scholarship, due regard being had to the need of such assistance."

The William Gaston Scholarship, of five thousand dollars, established by the widow and children of the late Hon. William Gaston, of the class of 1840. This scholarship is to be awarded annually by the Faculty to some deserving student, upon absolute merit, without reference to financial condition.

The following scholarships have been in part established:

The S. W. Marston Scholarship, endowed by E. L. Marston in the name of his father.

The George Hale Bacon Memorial Scholarships, two paying each recipient $150 a year, endowed by George A. Bacon in the name of his father. The awards are to be made only to young men in need of assistance and to be given solely on grounds of scholarship and personal character, no other consideration to receive any weight whatever.

3. AID FUNDS

These are two in number, the income of which is divided into scholarships of varying amounts, which are awarded under the general conditions applicable to all scholarships.

The Aid Fund, established by friends of the University in 1868, and now amounting to $9,300.

The Daniel W. Lyman Fund for students, established by the late Daniel W. Lyman, and now amounting to $72,250.

4. UNIVERSITY SCHOLARSHIPS

In addition to the income of the Scholarship and Aid Funds, the Advisory and Executive Committee of the Corporation appropriates each year a large sum of money from the Common Fund of the University for the assistance of students. This amount at present exceeds $15,000, and is used for the establishing of University Scholarships, which are of three grades:

(1) A small number yielding each $50 a term or $150 a year, paying the whole college bill for tuition and incidentals, awarded to a few Juniors and Seniors of specially high scholarship.

(2) A number yielding each $35 a term or $105 a year.

(3) A number yielding each $20 a term or $60 a year, used in part to supplement the smaller endowed scholarships, and also for those needing relatively less assistance.

The University Scholarships are taken directly from the college treasury and therefore use funds which would otherwise be available for other college purposes. It is expected, therefore, that the holders of them will regard them as in a certain sense a loan, and will at some subsequent time after graduation return to the treasury the amount awarded, to be used for the increase of the permanent scholarship funds, or will in some other way contribute to the endowment of the University.

C. SERVICE

The University is able to give employment to a number of students as monitors, assistants in the library and laboratories, members of the choir, and clerks in the Registrar's Office. Not more than two hours a day are required of any student, except in specified cases, and the compensation is made at definite rates. At present about $6,000 per year is appropriated for service, and employment is given to about eighty students, who receive each amounts varying from $20 to $40 a term. The University also coöperates with the Young Men's Christian Association in efforts to secure employment for students from business houses and residents of the city.

The administration of the Scholarship system is in the hands of a Committee of the Faculty, annually appointed by the Corporation for that purpose. The Dean of the University is the executive of the Committee and is also charged with the administration of the Service system.

Applications for aid for a given academic year should be filed with the Dean before May 1st preceding. Action upon all applications is taken by the Committee before July 1st.

PREMIUMS, PRIZES AND HONORS

FOR EXCELLENCE IN PREPARATORY STUDIES

THE PRESIDENT'S PREMIUMS

These are derived from the income of a fund presented to the University in 1843 by President Wayland. They are awarded each year to those members of the Freshman class who upon special examination are found to have attained the highest excellence in the studies required for admission to college in Greek, Latin, and French. First and Second Premiums are awarded in each of these studies.

The examinations for the premiums deal with the general principles and laws of the languages involved rather than with irregularities and exceptions. Great importance is attached to the pupil's familiarity with the subject-matter of the works read, and to his ability to translate with accuracy and facility into clear, appropriate and idiomatic English.

The examination in Greek occurs on the second Saturday of the first term, that in Latin on the third Wednesday, and that in French on the fourth Wednesday.

The award of these premiums in 1901 was as follows:

GREEK

The First Premium to FREDERICK EUGENE HAWKINS, instructed in the Classical High School, Providence.

The Second Premium to RALPH DARLING KETTNER, instructed in the Classical High School, Providence.

LATIN

The First Premium to FREDERICK EUGENE HAWKINS, instructed in the Classical High School, Providence.

The Second Premium to WILLIAM GRANVILLE MEADER, instructed in the Classical High School, Providence.

FRENCH

The First Premium to Frederick Eugene Hawkins, instructed in the Classical High School, Providence.

A collateral First Premium for an examination of equal merit to Mary Louise Gay, instructed in the High School, Attleboro, Mass.

The Second Premium to Harvey Julian Swann, instructed in the Classical and High School, Salem, Mass.

THE HARTSHORN PREMIUMS

These are derived from the income of a fund of one thousand dollars, presented to the University in 1872, by Joseph C. Hartshorn, A. M., of the class of 1841. The income furnishes three premiums, which are awarded to those members of the Freshman class who upon examination are found to excel in the mathematical studies required for admission. The examination occurs on the third Saturday of the first term.

The award of these premiums in 1901 was as follows:

The First Premium to Otis Edward Bloomquist, instructed in the State Normal School, Fredonia, N. Y.

The Second Premium to Frederick Eugene Hawkins, instructed in the Classical High School, Providence.

The Third Premium to Charles Henry Seddon, instructed in the Classical High School, Providence.

FOR EXCELLENCE IN COLLEGE STUDIES

THE CARPENTER PRIZES FOR ELOCUTION

These prizes are derived from the income of a fund established in 1867 by Thomas Carpenter and Lydia Carpenter, and are awarded annually to the three members of the Sophomore class to whom are assigned, respectively, the first, the second and the third rank of excellence in elocution. The contest is held in Manning Hall on the Monday evening before Commencement.

The selections declaimed may be either prose or verse. They must be approved by the Professor of Public Speaking, with whom competitors must enter their names not later than the first day

of February. The contest to select the speakers takes place in the latter part of the winter term; all arrangements for it are in the hands of the Professor of Public Speaking.

The Committee of Award consists of five members: the Professor of Public Speaking, who is the chairman; two persons elected by the Corporation; and two persons elected by the Sophomore class during the first term of the year. No one who is or has been a member of the class is eligible.

In 1901 the prizes were awarded as follows:

The First Prize to Alexander Hewes Abbott.
The Second Prize to Maurice Benjamin Rich.
The Third Prize to John Francis Murray.

THE HICKS PRIZES FOR EXCELLENCE IN DEBATE

These prizes, of equal value, are derived from the income of a fund presented in 1891 by the Hon. Ratcliffe Hicks, of the class of 1864. They are annually awarded to the two members of the Junior class who display the greatest ability in debate. The debate occurs in Manning Hall on the evening before Class Day.

A preliminary contest, for the purpose of selecting the four debaters, is held early in the spring term, before a committee appointed by the President of the University.

The Committee of Award in the final contest consists of five persons: two chosen by the President of the University, two by a majority of the debaters, and one by the Faculty. In 1901 the prizes were awarded to the side represented by

James William Barry
and
Russell William Richmond

THE DUNN PREMIUM

The income of a fund of one thousand dollars, presented to the University in 1872 by pupils and friends of the late Professor Robinson Potter Dunn, D. D., is given, at the end of the Junior year, to the student having the highest standing in rhetorical studies,

"rhetorical studies" meaning here the courses in composition and public speaking. The nomination for the premium is made by the officers in these courses, and has regard to the number of studies which the competitors have taken as well as to the rank which they have attained therein.

In 1901 the premium was awarded to

GEORGE BURDICK

THE CARPENTER PREMIUMS

These two premiums, of sixty dollars each, are derived from the income of a fund established in 1867 by Thomas Carpenter and Lydia Carpenter. They are assigned at the end of the Senior year to the two members of the Senior class who, "already on scholarships, shall, in the judgment of the Faculty, unite in the highest degree the three most important elements of success in life — ability, character and attainment."

In 1901 the premiums were awarded to

ERNEST TROWBRIDGE PAINE
and
GEORGE HERBERT GILBERT

THE HOWELL PREMIUM

This fund, amounting to one thousand dollars, was presented to the University in 1867 by the late Gamaliel Lyman Dwight. The income is given at the close of the second term of the Senior year to the student who, "having a good record of deportment, has the highest rank in Mathematics and Natural Philosophy." To be considered a candidate for the premium, a student must, each term from the Freshman year to the end of the second term in the Senior year, select at least one of the elective studies offered in Pure or Applied Mathematics.

In 1901 the premium was awarded to

HARVEY NATHANIEL DAVIS

THE CLASS OF 1873 PRIZE

A fund of one thousand dollars, completed in 1898, has been presented to the University by the class of 1873, on the condition that its income should be used as a prize for an essay. The prize is annually offered for competition to members of the Senior class, the subject being of a historical nature one year and of a philosophical nature the next. In 1900-01 it was philosophical. No award was made.

THE FOSTER PREMIUM IN GREEK

This premium is derived from the income of a fund of three thousand dollars bequeathed to the University in 1880 by the Hon. Lafayette Sabine Foster, LL. D., of the class of 1828. In accordance with the terms of the donor's will, the income of this fund is to be "annually paid to that scholar of the institution who passes the best examination in the Greek language, the examination to be made in the first, third and twenty-fourth books of Homer's Iliad or in the Oration on the Crown by Demosthenes."

The next examination, open to the members of the Senior class, will be held early in May, 1902. Candidates will be examined in the Oration on the Crown.

On Commencement Day, June 21, 1901, the President announced the award of the premium to

HOWARD OSCAR WINSLOW

and a collateral premium for examinations of like merit in equal parts to

RUTH APPLETON

and

SAIDA NEWTON HALLETT

THE LUCIUS LYON PREMIUMS IN LATIN

These are derived from the income of a fund of five thousand dollars presented to the University in 1893 by Mrs. Caroline L. Lyon, in memory of her husband, Lucius Lyon, of the class of

1844. Five-tenths of the income each year forms the first premium, three-tenths the second, and two-tenths the third. Any part of the income not needed in any given year must be added to the fund. The premiums are awarded only as the result of a special examination held during the last term of the Senior year, and only for real merit. The examination may relate to the Latin language, Roman literature, Roman history, or partly to one of these subjects and partly to another or to both the others. The President of the University and the head of the Latin Department prescribe for admission to the examination such conditions as in their judgment will secure the best results.

In 1901 the premiums were awarded as follows:

The First Premium to EDWARD HAWES FULLER
The Second Premium to ALLEN KRAMER KRAUSE
The Third Premium to ERNEST TROWBRIDGE PAINE

APPOINTMENTS FOR COMMENCEMENT

Every member of the Senior class is allowed to present for Commencement an oration or a thesis. Orations must be deposited in the Registrar's office by noon of the second Wednesday in April; theses, by noon of the second Wednesday in May. All must be type-written and signed with the author's name. An oration shall not contain more than fifteen hundred words; a thesis, not more than three thousand. A committee consisting of the President of the University, the Professor of English Literature, and a third member chosen each year by the Faculty, select for delivery at Commencement such orations, not exceeding ten in number, as, in view of the thought and composition and the writer's ability to speak, are most worthy; and select such theses for mention in the Commencement program as have sufficient merit in thought and composition. Each accepted oration must be rehearsed at least five times before the Professor of Public Speaking. Before Commencement each speaker is required to hand to the Professor of English Literature a type-written copy of his oration for preservation in the University Library.

THE GASTON PRIZE MEDAL FOR EXCELLENCE IN ORATORY

A fund of three thousand dollars established in 1894 as a memorial to the Hon. William Gaston, LL. D., of the class of 1840, annually provides a gold medal bearing the name "William Gaston," to be awarded to that member of the graduating class "who shall write and at Commencement pronounce in English the best oration."

The Committee of Award consists of three persons, not members of the Faculty: one selected by the President of the University, one by the Faculty, and one by the contestants. No speaker is permitted to make use of a prompter. The members of the committee take into account thought, composition and delivery.

On Commencement Day, June 21, 1901, the medal was awarded to

THATCHER HOWLAND GUILD

LECTURES

During the academic year 1900-01 the following lectures were delivered before various University bodies:

Before the Departments of Social and Political Science and Political Economy

The Treatment of Criminals. Z. R. Brockway, former Superintendent of the Reformatory, Elmira, N. Y.

The Work of the Anti Saloon League. Rev. Albert B. Cristy, Superintendent of the R. I. Anti Saloon League.

Before the Department of Roman Literature and History

The Roman Religion. Professor Jesse B. Carter, Ph. D., of Princeton University.

Before the Department of English

Shakspere's London. Two lectures. Professor George P. Baker, A. B., of Harvard University.

Before the Sigma Xi Society

Irrigation from an Engineering Standpoint. Frederick H. Newell, U. S. Chief Hydrographer.

The Habits of Wild Birds. Professor Francis H. Herrick, Ph. D., of Western Reserve University.

Technical Schools in Germany. Professor Otis Everett Randall, Ph. D., of Brown University.

The Relation of Mosquitoes to Disease. Professor Frederic Poole Gorham, A. M., of Brown University.

Before the Philosophical Club

Philosophical Undertones in Modern Poetry. Professor William Knight, LL. D., of the University of St. Andrews.

Before the Biblical Research Club

Some Keys to the Understanding of the New Testament. Professor William N. Clarke, D. D., of Colgate University.

The Origin and Early Significance of the Lord's Supper. Professor Alexander V. G. Allen, D. D., of the Episcopal Theological Seminary, Cambridge, Mass.

The Prophets as Constructive Thinkers. Professor Frank K. Sanders, Ph. D., of Yale University.

The Spiritual Value of Modern Methods in Biblical Study. Rev. Lyman Abbott, D. D., Editor of the Outlook

THE RHODE ISLAND ALPHA OF THE PHI BETA KAPPA SOCIETY

OFFICERS AND COMMITTEES 1901-1902

President

William Vail Kellen, Ph. D.

Vice-President

Prof. William Whitman Bailey, LL. D.

Corresponding Secretary

Prof. Albert Granger Harkness, A. M.

Treasurer

William Thane Peck, Sc. D.

Committee of Appointment

Hon. David Sherman Baker, Jr., A. M., Henry Frederic Lippitt, A. B., Henry Allen Whitmarsh, A. M., M. D., Prof. Walter Cochrane Bronson, A. M., George Whipple Porter, A. M., Robert Perkins Brown, A. M.

Committee of Arrangements

Prof. Walter Goodnow Everett, Ph. D., Prof. Walter Ballou Jacobs, A. M.

Auditing Committee

William Brooks Tanner, A. M., Walter James Towne, A. M.

THE BROWN CHAPTER OF THE SOCIETY OF THE SIGMA XI

OFFICERS AND COMMITTEE 1901-1902

President

Prof. Nathaniel French Davis, LL. D.

Vice-President

Prof. William Whitman Bailey, LL. D.

Recording Secretary

Prof. Ralph Winfred Tower, A. M.

Corresponding Secretary

Prof. William Herbert Kenerson, M. E.

Treasurer

Prof. Otis Everett Randall, Ph. D.

Councillor

Prof. John Edward Hill, Sc. M., C. E. M.

Committee on Nominations

Prof. Nathaniel French Davis, LL. D., Prof. William Whitman Bailey, LL. D., Prof. Otis Everett Randall, Ph. D., Prof. William Herbert Kenerson, M. E., Prof. Ralph Winfred Tower, A. M.

THE ASSOCIATED ALUMNI

OFFICERS AND COMMITTEES 1901–1902

President

HON. CHARLES MATTESON, LL. D., Providence.

First Vice-President

JAMES MAC ALISTER, LL. D., Philadelphia.

Second Vice-President

HON. RATCLIFFE HICKS, A. B., New York.

Secretary

GEORGE GRAFTON WILSON, Ph. D., Providence.

Treasurer

SAMUEL SLATER DURFEE, A. M., Providence.

Executive Committee

WILLIAM GAMMELL, A. M.,
WILLIAM EATON FOSTER, Litt. D.,
WALTER JAMES TOWNE, A. M.,
WALTER BURGES SMITH, A. B.,
FRANK TOURTELLOT EASTON, A. B.
HENRY DEXTER SHARPE, A. B.

Advisory Committee

GEORGE GRAFTON WILSON, Ph. D.,
CHARLES ROBERT ADAMS, A. B.,
FRANK LINCOLN MORSE, A. M.,
EVERETT COLBY, LL. B.,
WILLIAM HENRY BENNETT, M. D.
JOHN PAINE GAGE, A. B.
SAMUEL WATSON SMITH, JR., LL. B.

DEGREES CONFERRED IN 1901

DEGREES IN COURSE

THE DEGREE OF BACHELOR OF ARTS

ON

Arthur Irving Andrews
Howard Parker Blanchard
William Charles Hugo Brand
Florence William Burke
Ernest Palmer Carr
Elmer Seymour Chace
Daniel Allen Clarke
Arthur Ogden Clift
Howard Aldridge Coffin
Joseph Sessions Cole
With date 1900
Harvey Nathaniel Davis
John Boyden Eaton
Irving Judson Enslin
Edwin Bowen Evans
Charles Ernest Ewing
Henry Milne Fenner
Charles Barker Fernald
Reuben Franklin Friedel
Walter Louis Frost
Edward Hawes Fuller
Frederick Arthur Galvin
Charles Herbert Gilmore
John Packer Gray
Edwin Farnham Greene
Percival Bartlett Greene
Edward Tudor Gross
Thatcher Howland Guild
William Riggs Harvey
Charles Sherman Hoyt
William Irvine King
William Theodore Knoop
Allen Kramer Krause
Edward Benedict Lederer
Michael John Linden
William Kinsley Low
William Charles McLaughlin
Henry Warren Mumford
Daniel Potter Myers
Harry Eugene Nickless
Frank Allen Page
Ernest Trowbridge Paine
Charles Sheldon Read
David Robinson
John Hendricken Slattery
Arthur Langford Slocum
Henry Cleaves Sullivan
Amos Leavitt Taylor
George Allen Taylor
Frederick Harris Thurston
Howard Hiram Tucker
Halley Templeton Waller
Bertram Albert Warren
Harry Lee Watson
Alan Rattray Wheeler
Hunter Carson White, Jr.
Ernest Townsend Williamson
Howard Oscar Winslow

Ruth Appleton
Minnie Leora Bartlett
Lilla Rogers Birge
Daisy Frances Coulters
Alice Cary Devereux
Sarah Newton Hallett
Mary Florence Rafter
Lura May Thomas
Jessie Wheeler

THE DEGREE OF BACHELOR OF PHILOSOPHY

ON

William Swasey Blake
Charles Winchester Brooks
Charles Edmund Bryant
Floyd Levern Carr
Harrison Ayer Chase
William Lathrop Clark
Clarence Albert Coates
Myron Powers Davis
Charles Borromeo Dugan
Thomas Edwin Dunn
Charles Chester Eaton
Harris Dickinson Eaton
George Herbert Gilbert
Frank Henry Gooding
Henry Clay Hart
George Bradford Hayward
Charles Herbert Hough
William Henry Hull
Thomas Henry Kenworthy
Herbert Colbath Low
Stewart Baker McLeod
Harold Lester Madison
Berton Lewis Maxfield
Jesse George Melendy
Henry Sheldon Pratt
Walter Smith
Winthrop Morton Southworth
Robert Wing Steere
Charles Sampson Turner
Walter Ernest Tuthill
Edward David Tweedell
John Herbert Ward
Frank Hiram Westlake
Winfred Holt Whiting
Alfred Robinson Winter
Henry Joseph Winters
Irving Levi Woodman

Mabel Jennie Bowe
Adelaide Kimball Burton
Louise Conant Gamwell
Margaret Noble Goodwin
Mary Louise Gregory
Marion Harvie
Grace June Jones
Sara Imbrie Manatt
Mary Alida Orswell
Genevieve Partridge
Edythe Grace Peck
Candace Allen Smith
Alice Louise Ward

THE DEGREE OF CIVIL ENGINEER

ON

George Safford Beal, A. B.
Ernest Willard Crawley
Daniel Joseph Maloney
Max Merrill Miller
George Moses Purver
Byron Lee Smith
Libe Washburn

THE DEGREE OF MECHANICAL ENGINEER

ON

Parke Erwin
Harry Francis Kellogg
Roy Harmon Stevens
Thomas Henry Stevens
Thurston Mason Phetteplace, Ph. B.

THE DEGREE OF BACHELOR OF ARTS

in connection with his class

ON

HENRY MARSH, JR., Class of 1871

DEGREES AFTER EXAMINATION

THE DEGREE OF MASTER OF ARTS

ON

WILLIAM EDWARD BAKER, A. B.
ALICE MAY BALLOU, PH. B.
JOSEPHINE ANGELL BEANE, A. B.
HELEN LOUISE BLISS, A. B.
CHARLES WILSON BROWN, PH. B.
LYDIA GARDNER CHACE, PH. B.
EDWARD BLANCHARD CHAMBERLAIN, A. B.
JAMES HARPER CHASE, A. B.
EDITH RAY CLAPP, PH. B.
PHOEBE RUSHMORE GIFFORD, A.B.
SARAH ELIZABETH GOODWIN, A.B.
JOHN FRANCIS GREENE, A. B.
EMMA HELENA GREGORY, A. B.
FRANK THURSTON HALLETT, A.B.
HORACE MASON HOVEY, A. B.
HERBERT BACON HUTCHINS, A. B.
FREDERIC LENT, A. B.
NELLIE FLORENCE MUNROE, A. B.
MARY GEORGE OSBORN, A. B.
ALICE REEVE PIERCE, A. B.
GRACE TYLER PRATT, A. B.
JARED HARVEY RANDALL, A. B.
With date 1900
GEORGE THURSTON SPICER, A. B.
EDWARD EVERETT THOMPSON, A.B
ARTHUR WAKEFIELD, A. B.
HELEN RIDLER WHITE, A. B.
NORA GIRALDA WRIGHT, A. B.
HIRAM LAMONT YOUTZ, PH. B.

THE DEGREE OF DOCTOR OF PHILOSOPHY

ON

AUSTIN HERBERT KEYES, PH. B., A. M.

Subject: Greek, Latin.
Thesis: Concerning the Mutilation of the Hermæ at Athens in 415 B. C.

LEONARD WORCESTER WILLIAMS, A. B., A. M.

Subject: Comparative Anatomy, Philosophy, Physiology.
Thesis: The Anatomy of the Common Squid.

HONORARY DEGREES

THE DEGREE OF DOCTOR OF MUSIC

ON

HAMILTON CRAWFORD MACDOUGALL

THE DEGREE OF DOCTOR OF LETTERS

ON

WILLIAM EATON FOSTER
TIMOTHY RICHARD

THE DEGREE OF DOCTOR OF DIVINITY

ON

EDWARD WINTER CLARK
SPENCER BYRON MEESER

THE DEGREE OF DOCTOR OF LAWS

ON

NELSON APPLETON MILES

STUDENTS

GRADUATES

Ruth Appleton, *Providence*, 209 Angell St.
A. B. (*Brown University*) 1901. Greek, Latin. Candidate for A. M.

Henry Ward Beecher Arnold, Hopedale, Mass.
A. B. (*Brown University*) 1893. Latin, Mathematics, Physics. Candidate for A. M. in absentia.

Vahan Simon Babasinian, 46 Bridgham St.
A. B. (*Anatolia College*) 1895, D. B. (*Hartford Theological Seminary*) 1900. Chemistry, German. Candidate for A. M.

William John Ballou, Tougaloo, Miss.
A. B. (*Brown University*) 1897, D. B. (*Hartford Theological Seminary*) 1900 Instructor in Tougaloo University. Social and Political Science. Candidate for A. M. in absentia.

Ernest Warren Barnes, *Tabor, Iowa* 62 George St.
Ph. B. (*Tabor College*) 1901. Comparative Anatomy, Philosophy, Physiology. Candidate for Ph. D.

Florence Bartlett, *Providence*, 32 Benevolent St.
Ph. B. (*Brown University*) 1899. German. Candidate for A. M.

Louise Stevens Bartlett, *Providence*, 103 South Angell St.
A. B. (*Vassar College*) 1900. History, Education, German. Candidate for A.M.

Lilla Rogers Birge, *Providence*, 50 Jenkins St.
A. B. (*Brown University*) 1901. Education, German. Candidate for A. M.

Lester Wells Boardman, *Providence*, 102 Williams St.
A. B. (*Brown University*) 1899. Graduate Student (*University of Chicago*) 1900-1901. English. Candidate for A. M.

Florence William Burke, *Mittineague, Mass.* 38 Benevolent St.
A. B. (*Brown University*) 1901. Education, Greek, Latin. Candidate for A. M.

Adelaide Kimball Burton, *Providence*, 85 Waterman St.
Ph. B. (*Brown University*) 1901. Philosophy, German, Music. Candidate for A. M.

Arthur Deerin Call, Holliston, Mass.
Ph. B. (*Brown University*) 1896. Social Science, Education. Candidate for A. M. in absentia.

Anne Walcott Carpenter, *Providence*, 95 Benevolent St.
Ph. B. (*Brown University*) 1898. German, English. Candidate for A. M.

Ernest Palmer Carr, 33 Fairview St., Fitchburg, Mass.
A. B. (*Brown University*) 1901. History, English, Philosophy, Education. Candidate for A. M. in absentia.

Floyd Levern Carr, *Providence*, 87 Congdon St.
Ph. B. (*Brown University*) 1901. Social and Political Science, History, Greek. Candidate for A. M.

Lydia Gardiner Chace, *Providence*, 75 Irving Ave.
Ph. B. (*Brown University*) 1900, A. M. 1901. Social Science.

Agnes Elizabeth Clark, *Providence*, 21 Pleasant St.
A. B. (*Brown University*) 1899. Education, English. Candidate for A. M. in absentia.

Clarence Albert Coates, *Providence*, 59 Dover St.
Ph. B. (*Brown University*) 1901. Elementary Law.

George Ellett Coghill, *Providence*, 25 Exeter St.
A. B. (*Brown University*) 1896, Sc. M. (*University of New Mexico*) 1899. Assistant Professor of Biology, University of New Mexico, 1899-1900. Grand Army of Republic Fellow. Neurology, Comparative Anatomy, Physiology. Candidate for Ph. D.

Clara Elizabeth Comstock, *Providence*, 550 Broad St.
Ph. B. (*Brown University*) 1895, A. M. 1897. English.

Mary Katherine Conyngton, *Providence*, 32 Westminster St.
A. B. (*Wellesley College*) 1894, A. M. 1899. Social Science.

Clinton Harvey Currier, *Manchester, N. H.* 46 Hope College
Ph. B. (*Brown University*) 1898, A. M. 1899. Instructor in Mathematics. Mathematics, Astronomy. Candidate for Ph. D.

Franklin Richmond Cushman, *Providence*, 46 Peace St.
A. B. (*Rutgers College*) 1894. English, Education. Candidate for A. M.

Harvey Nathaniel Davis, *Providence*, 159 Brown St.
A. B. (*Brown University*) 1901. Instructor in Mathematics. Physics, Mathematics, Astronomy. Candidate for A. M.

Ruth Story Devereux, *Manton*, Manton
A. B. (*Brown University*) 1897, A. M. 1900. Philosophy.

Norman Armin Dubois, *Fall River, Mass.* Brunonia A
Sc. B. (*Mass. Institute Technology*) 1901. Instructor in Chemistry. Chemistry, Mathematics, Physics. Candidate for Ph. D.

Charles Borromeo Dugan, *Brinckerhof, N. Y.* Hope 1
Ph. B. (*Brown University*) 1901. History, Mathematics. Candidate for A. M.

Bernard Capen Ewer, *Providence*, 57 Hanover St.
A. B. (*Brown University*) 1899, A. M. 1900. Grand Army of Republic Fellow 1899-1901. Instructor in Mathematics, 1899-1901. Philosophy, German, Mathematics. Candidate for Ph. D.

Nellie Rebecca Fairchild, *Providence*, 102 South Angell St.
Litt. B. (*Smith College*) 1898. English.

John Russell Ferguson, Fall River, Mass.
A. B. (*Brown University*) 1894. Latin, Education. Candidate for A. M. in absentia.

Charles Kenworthy Francis, Atlanta, Ga.
Ph. B. (*Brown University*) 1899. Adjunct Professor of Chemistry (*Georgia School of Technology*). Chemistry, Social Science. Candidate for A. M. in absentia.

Victor Frazee, *Providence*, 82 Larch St.
A. B. (*Dalhousie College*) 1889. History. Candidate for A. M.

Caleb Allen Fuller, *Providence*, 277 Brook St.
Ph. B. (*Brown University*) 1899, A. M. 1900. Bacteriology, Comparative Anatomy. Candidate for Ph. D.

Harriet Peirce Fuller, *Providence*, 57 West Friendship St.
A. B. (*Boston University*) 1881. Latin, History of Art. Candidate for A. M.

Elizabeth Wickes Gardiner, *Providence*, 113 Lloyd Ave.
Ph.B. (*Brown University*) 1899. English, German, French. Candidate for A.M.

Lucy Allen Gardiner, *Jamestown*, 39 Benevolent St.
Ph. B. (*Boston University*) 1898. Education.

Charles Israel Gates, 21 Grove Ave., Westerly
A. B. (*Brown University*) 1899. History, English, Education. Candidate for A. M. in absentia.

Henry Jewett Hall, *Providence*, 43 Benevolent St.
A. B. (*Brown University*) 1900. Assistant in Psychological Laboratory. Psychology, Philosophy. Candidate for A. M.

Frank Thurston Hallett, *Providence*, 283 George St.
A. B. (*Brown University*) 1900, A. M. 1901. Instructor in Greek. Greek, Latin. Candidate for Ph. D.

Saida Newton Hallett, *Providence*, 283 George St.
A. B. (*Brown University*) 1901. Philosophy, Greek, Latin. Candidate for A.M.

John Calder Hebden, *Providence*, 4 Elton St.
A. B. (*Brown University*) 1885. Chemistry, Physics. Candidate for Ph. D.

Arthur George Host, Saxton's River, Vt.
A. B. (*Brown University*) 1898. Education, English, German. Candidate for A. M. in absentia.

George Llewellyn Hunt, St. Johnsbury, Vt.
Ph. B. (*Brown University*) 1900. German, Elementary Law. Candidate for A. M. in absentia.

Constance Hurford Iles, *Providence*, 8 Cushing St.
Litt. B. (*Smith College*) 1895. French, German, Botany. Candidate for A. M.

Ethel Clare Jameson, *East Providence*, East Providence
Ph. B. (*Brown University*) 1898. Education, History, French. Candidate for A. M.

Nels Johnson, *Rumford*, Rumford.
A. B. (*Brown University*) 1899. German, French, Psychology. Candidate for A. M.

William Jones, *Worcester, Mass.* 10 Congdon St.
A. B. (*Brown University*) 1899, A. M. 1900. History, Political Economy. Candidate for Ph. D.

William Theodore Knoop, *Providence*, 86 Holden St.
A. B. (*Brown University*) 1901. German, Philosophy, Mathematics. Candidate for A. M.

Allen Kramer Krause, *Lebanon, Pa.* Auburn
A. B. (*Brown University*) 1901. Comparative Anatomy. Candidate for A. M.

Clarence Brown Lester, *Providence*, 509 Public St.
A. B. (*Brown University*) 1900. Instructor in Mathematics. Social and Political Science, Political Economy. Candidate for Ph. D.

Mabel Snow LeValley, *Providence*, 124 Wesleyan Ave.
A. B. (*Brown University*) 1900. Education, English. Candidate for A. M.

Loretta Ludwig, *Providence*, 167 Prairie Ave.
Ph. B. (*Brown University*) 1900. Education.

Sara Louise MacCormack, *Cohasset, Mass.* Auburn
A. B. (*Boston University*) 1899. French.

Harold Lester Madison, *East Greenwich*, University 53
Ph. B. (*Brown University*) 1901. Comparative Anatomy. Candidate for A. M.

Norman Allen Moss, 2329 Brooklyn Ave., Kansas City, Mo.
A. B. (*Brown University*) 1900. Education, English. Candidate for A. M. in absentia.

Clarence Elnathan Norris, *Worcester, Mass.* University 59
A. B. (*Brown University*) 1900. Instructor in French. Curator of German Seminary. German, History of Art, Greek, French. Candidate for A. M.

James Roberts Decrevi Oldham, Moosup, Conn.
A. B. (*Brown University*) 1897. English Literature, Education. Candidate for A. M. in absentia.

Mary George Osborn, *Warren*, Warren
A. B. (*Wellesley College*) 1892, A. M. (*Brown University*) 1901. History.

Ernest Victor Page, 74 Montello St., West Roxbury, Mass.
A. B. (*Brown University*) 1896. Political Economy, Political Science, Social Science. Candidate for A. M. in absentia.

Charles Edwin Paine, *Providence*, 482 Broadway
Ph. B. (*Brown University*) 1898. Latin, German, Education. Candidate for A. M.

Ernest Trowbridge Paine, *Central Falls*, Central Falls
A. B. (*Brown University*) 1901. Philosophy, Psychology, English. Candidate for A. M.

George Freeman Parmenter, *Dover, Mass.* 279 George St.
Sc. B. (*Boston University*) 1900. Instructor in Chemistry. Chemistry, Physics, Physiology. Candidate for Ph. D.

Edythe Grace Peck, *Providence*, 277 Washington St.
Ph. B. (*Brown University*) 1901. Education, English, Botany. Candidate for A. M.

Maria Storrs Peck, *Providence*, 106 George St.
Ph. B. (*Brown University*) 1895, A. M. 1897. Education.

Fordyce Dexter Perkins, Kennebunkport, Me.
Ph. B. (*Brown University*) 1898. English, Psychology, Education. Candidate for A. M. in absentia.

Harriet Edith Pierce, *Providence*, 39 Daboll St.
Litt. B. (*Smith College*) 1894. German. Candidate for A. M.

Harry Kay Poole, *Taunton, Mass.* Howell 1
Ph. B. (*Brown University*) 1900. Instructor in German. German, French, Italian. Candidate for A. M.

Lemuel Charles Raiford, Clemson College, S. C.
Ph. B. (*Brown University*) 1900. Instructor in Dyeing and Textile Chemistry, Clemson College. Chemistry, Comparative Anatomy. Candidate for A.M. in absentia.

George Hervey Raymond, *Providence*, 69 John St.
A. B. (*Brown University*) 1899. Elementary Law.

Louis Albert Reese, *Ottawa, Kansas* 306 Benefit St.
Ph. B. (*Ottawa University*) 1900. History, Psychology, Philosophy, Biblical Literature. Candidate for A. M.

Mary Louise Rogers, *Pawtucket*, 50 Clyde St., Pawtucket
A. B. (*Wellesley College*) 1898. Comparative Anatomy, Education, Botany. Candidate for A. M.

Ruth Eleanor Slade, *Providence*, 95 Andem St.
Litt. B. (*Smith College*) 1901. Education.

Sidney Algernon Sherman, *Providence*, 227 Irving Ave.
A. B. (*Amherst College*) 1885, Ph. D. (*Brown University*) 1900. Social Science.

George Herbert Sherwood, American Museum of Natural History, New York, N. Y.
A. B. (*Brown University*) 1898, A. M. 1899. Comparative Anatomy, Physiology. Candidate for Ph. D.

John Smith Shippee, *East Greenwich*, East Greenwich
A. B. (*Brown University*) 1894. Instructor in Latin. Latin, Greek. Candidate for Ph. D.

Mary Spink, *Providence*, 150 South Angell St.
A. B. (*Wellesley College*) 1899. Greek, Latin, English. Candidate for A. M.

Michael Xavier Sullivan, *Fall River, Mass.* 53 Waterman St.
A. B. (*Harvard University*) 1899. Comparative Anatomy, Chemistry. Candidate for Ph. D.

Lura May Thomas, *Attleboro, Mass.* 144 Doyle Ave.
A. B. (*Brown University*) 1901. Education.

Edward Everett Thompson, *Fall River, Mass.* University 54
A. B. (*Brown University*) 1899, A. M. 1901. Instructor in German. Germanic Languages, English and Romance Languages. Candidate for Ph. D.

Millett Taylor Thompson, *Providence*, 204 Bowen St.
A. B. (*Brown University*) 1898, A. M. 1899. Comparative Anatomy, Physiology. Candidate for Ph. D.

Charles Edward Tilley, *Providence*, 8 Elton St.
A. B. (*Amherst College*) 1892, A. M. 1895. Physics.

Ethel Ella Tower, *Auburn*, Auburn
A. B. (*Brown University*) 1898. Education, German. Candidate for A. M.

Bertha Tucker, *Pawtucket*, 16 Brook St., Pawtucket.
A. B. (*Brown University*) 1899. History.

Charles Sampson Turner, *Providence*, 203 Maxcy Hall
Ph. B. (*Brown University*) 1901. Comparative Anatomy. Candidate for A. M.

Bessie Sarah Warner, *Bristol, Ct.* 205 Waterman St.
A. B. (*Smith College*) 1895. English, Philosophy, Latin. Candidate for A. M.

Henry Herbert Waterman, *Providence*, 29 Sexton St.
A. B. (*Brown University*) 1896. Education, Latin. Candidate for A. M.

Emma Clifton Watt, *Providence*, 207 Atlantic Ave.
A. B. (*Wellesley College*) 1898. Latin, History of Art, Greek. Candidate for A. M.

Clifford Whipple, *Providence*, 36 Oak St.
Ph. B. (*Brown University*) 1895, A. M. 1896. Instructor in Rhetoric 1898-99 Elementary Law.

Mary Greene Wilbur, *Providence*, 266 Broad St.
Ph. B. (*Brown University*) 1899. German.

Ernest Townsend Williamson, *Tuckerton, N. J.* Maxcy 314
A. B. (*Brown University*) 1901. Assistant in English. English. Candidate for A. M.

Edith Holmes Williston, *Providence*, 103 Whitmarsh St.
Ph. B. (*Brown University*) 1896, A. M. 1898. English, German, French. Candidate for Ph. D.

Jessie Wilson, *Rumford*, Rumford
Ph. B. (*Brown University*) 1898, A. M. 1899. Education.

Alfred Robinson Winter, Mansfield, Mass.
Ph. B. (*Brown University*) 1901. Social and Political Science, Philosophy. Candidate for A. M. in absentia.

Rose Adelaide Witham, *Boston, Mass.* 184 Meeting St.
A. B. (*Smith College*) 1895. English. Candidate for A. M.

UNDERGRADUATES

SENIORS—CLASS OF 1902

NAME	RESIDENCE	ROOM
Myron Jay Abbey	*Jamaica Plain, Mass.*	Messer 5
Elton Merville Adye	*Forestville, N. Y.*	Hope 1
Edward Kimball Aldrich, Jr.	*Providence*	Hope 26
Morris Ezra Alling	*Northford, Ct.*	University 48
Christopher Astle	*Providence*	897 Broad St.
Ernest Preston Brown Atwood	*Providence*	University 48
Charles Raymond Austin	*Providence*	Maxcy 203
Robert John Barker	*Providence*	Hope 3
Williston Wright Barker	*Newport*	University 25
James William Barry	*Hadley, Mass.*	Hope 37
John Palmer Barstow	*Providence*	Slater 6
William Penn Bates	*Providence*	141 Benefit St.
Edward Lewis Bayliss	*Boston, Mass.*	Maxcy 208
Arthur Bruce Bennett	*Westfield, Mass.*	University 13
William Cornell Blanding	*Providence*	Slater 2
James Leonard Booth	*Pawtucket*	36 School St., Pawtucket
Robert Lawton Bowen	*Providence*	Hope 4
Howard Denison Briggs	*Ashaway*	Slater 12
Paul Brown	*Milwaukee, Wis.*	Hope 31
James Cunliffe Bullock	*Worcester, Mass.*	University 27
Walter Roberts Bullock	*Pawtucket*	University 52
George Burdick	*Newport*	University 59
Thomas Burgess	*St. Albans, Vt.*	Slater 6
Gonzalo Edward Buxton, Jr.	*Providence*	Hope 11
Harold Granville Calder	*Providence*	22 Whitmarsh St.
Dennis Francis Carey	*Worcester, Mass.*	University 31
Philip Caswell	*Newport*	Hope 20
Alfred Griswold Chaffee	*E. Providence Centre*	Hope 20
Thomas Carpenter Chaffee	*East Providence*	Maxcy 426

NAME	RESIDENCE	ROOM
Harry Smith Clark	*North Andover, Mass.*	Maxcy 428
Roy Elliot Clark	*Holyoke, Mass.*	University 16
Erastus Weeden Clarke	*Providence*	Hope 4
Richard Merwin Cogan	*Orange, N. J.*	Hope 31
Bernard Cohen	*Providence*	Maxcy 212
Samuel Cohen	*Pawtucket*	Hope 7
Charles Bernard Coppen	*Palmyra, N. Y.*	50 Waterman St.
Abel Rathbone Corbin	*Oxford N. Y.*	Hope 32
Edward Pittman Corey	*Providence*	271 Butler Ave.
Windsor Pratt Daggett	*Auburn, Me.*	Hope 5
William Robert Parkhouse Davey	*Providence*	Hope 19
James Mercer Davis	*Great Bridge, Va.*	Hope 4
Winfield Haines Dennett	*North Adams, Mass.*	Hope 24
Anthony Hamilton Dexter	*Pawtucket*	18 Church St., Pawtucket
Samuel Noyes Douglas	*Providence*	4 Manning St.
Leon Arthur Drury	*Fitchburg, Mass.*	Brunonia 9
Lucian Lorimer Drury	*North Swansea, Mass.*	University 58
Arthur Dean Dudley	*Concord, N. H.*	Hope 27
Frank Ernest Fash	*Fall River, Mass.*	Maxcy 322
Andrew Little Fraser	*Lowell, Mass.*	Maxcy 426
Frederick Henry Gabbi	*Providence*	University 13
Arthur Simeon Gaylord	*So. Hadley Falls, Mass.*	Maxcy 202
George Herbert Gilbert	*Providence*	1 Whittemore Place
Henry Wilson Goodrich	*Hopkinton, N. H.*	87 Congdon St.
Bruce Henry Green	*Charleston, S. C.*	125 Cushing St.
Crawford Richmond Green	*Troy, N. Y.*	Slater 14
Allen Greene	*Providence*	Slater 16
Frederick William Greene Jr.	*Newport*	University 25
William Choate Hardy	*Fitchburg, Mass.*	Hope 37
Henry Joseph Hart	*Lynn, Mass.*	University 12
Charles Raymond Haslam	*Providence*	Hope 21
George West Hathaway	*Tiverton*	Hope 10
William Austin Hill	*Arlington, Mass.*	66 Meeting St.
Jeremiah Holmes	*Mystic, Ct.*	University 60
Charles Herbert Holt	*Providence*	University 58
Everett Jarvis Horton	*Providence*	Hope 40

NAME	RESIDENCE	ROOM
Joseph Waite Ince	*Providence*	108 Chester Ave.
George Milo Innis	*Shelburne Falls, Mass.*	University 54
Eugene Bailey Jackson	*Woonsocket*	Slater 2
William Carter Johnson	*Providence*	University 50
Howard Henderson King	*Uniontown, Pa.*	Hope 38
Ray Forrest Knowlton	*Sutton, N. H.*	University 33
Harry Clifford Leach	*Rockland, Me.*	253 Potter Ave.
Kirke Porter Lincoln	*Pittsburgh, Pa.*	Slater 4
James Bancroft Littlefield	*Providence*	98 Prospect St.
Walter Estes MacGowan	*Worcester, Mass.*	Maxcy 435
Joseph Ferdinand Malmstead	*Providence*	Brunonia 9
Earl Northrup Manchester	*Factoryville, Pa.*	Hope 15
Duncan Martin Luther McPhail	*Beverly, Mass.*	Maxcy 210
Elmer Daniel Meserve	*Kennebunkport, Me.*	Maxcy 320
Henry Knight Metcalf	*Providence*	Slater 8
Lewis Stanley Milner	*Moosup, Ct.*	University 50
Samuel Moffat	*River Point*	31 Benevolent St.
Arthur Earle Munro	*Quonochontaug*	Hope 35
Henry Natsch	*Brooklyn, N. Y.*	University 58
Walter Elijah Newcomb	*Catskill, N. Y.*	Hope 42
Harold Weeden Nichols	*Providence*	University 47
Lester Willis Nickerson	*Brockton, Mass.*	University 34
George Frederick Paddock	*Providence*	63 Governor St.
Wesley Arthur Paige	*Franklin Falls, N. H.*	Hope 12
Harry Merton Paine	*Providence*	Hope 26
Alonzo Truman Patterson	*East Providence*	East Providence
Lorraine Terry Peck	*Bristol, Ct.*	Hope 42
Charles Abbott Phillips	*Danielson, Ct.*	Slater 15
Walter Clarke Phillips	*Lafayette*	Maxcy 211
Halbert Edmund Pierce	*Fitchburg, Mass.*	University 26
Robinson Pierce, Jr.	*Providence*	172 Prospect St.
Thomas Edmund Burt Pope	*Providence*	20 Hawthorne St.
Preston Hill Porcheron	*Brockton, Mass.*	Slater 1
Alfred Knight Potter	*Providence*	University 21
Charles Arthur Powers	*South Gardner, Mass.*	University 30
Everett Duncan Ramsden	*Warren*	Warren

NAME	RESIDENCE	ROOM
Charles Addison Richardson Ray	*Franklin, Mass.*	Slater 17
Lewis Stillman Record	*Worcester, Mass.*	Maxcy 314
Charles Arnold Reese	*Newton Highlands, Mass.*	Hope 40
Russell William Richmond	*New York, N. Y.*	Hope 36
Joseph Francis Russell	*Adams, Mass.*	Howell 5
Simon Henry Salomon	*Groveton, N. H.*	Maxcy 43
Albert Langworthy Saunders	*Westerly*	Hope 3
Walter Stanley Seamans, Jr.	*North Providence*	Maxcy 202
Philip Darrell Sherman	*Pawtucket*	Hope 24
Charles Perley Smith	*Charlestown, Mass.*	Howell 8
Erwin Kelsey Smith	*Hartfort, Ct.*	58 College St.
Robert Ordway Smith	*Providence*	University 47
Irving Southworth	*Needham, Mass.*	Hope 18
Arthur Steere	*Providence*	38 Benevolent St.
Bradford Earl Stephens	*Hornellsville, N. Y.*	87 Congdon St.
Walter Leslie Tandy	*Gardner, Mass.*	Maxcy 204
Charles Arthur Tetrault	*Southbridge, Mass.*	Central Falls
Ralph Cameron Thompson	*Portland, Me.*	Hope 37
Frederick Wheaton Tillinghast	*Pawtucket*	Hope 24
Oliver Clinton Trees	*Lawrence, Mass.*	Maxcy 320
Lennox Gresham Walling	*Harrisville*	Hope 33
Frank Walter Wheeler	*Wakefield, Mass.*	University 34
Howard Joseph White	*Providence*	Brunonia 9
Everett Thomas Whitford	*Woonsocket*	Maxcy 426
Warren Lyle Wilmarth	*Central Falls*	Hope 23
Walter Hastings Woods	*Providence*	65 Cypress St.
Louis Everett Young	*Woonsocket*	Brunonia 9

JUNIORS—CLASS OF 1903

NAME	RESIDENCE	ROOM
Alexander Hewes Abbott	*Watertown, Mass.*	Hope 43
Robert Aldrich	*Providence*	Slater 7
Sherman Alden Allen	*East Springfield, Pa.*	University 26
Woodbury Whitely Armstrong	*Portland, Me.*	Hope 16
Edgar Louis Ashley	*Medfield, Mass.*	Maxcy 428
Charles Hervey Bailey	*Dorchester, Mass.*	Slater 15
Percival Rogers Bakeman	*Chelsea, Mass.*	Hope 5
Harvey Almy Baker	*Providence*	343 Thayer St.
Louis Foristall Baker	*Barrington*	Slater 18
Merle Taft Barker	*Taunton, Mass.*	University 50
Robert Lincoln Barrows	*Providence*	Hope 40
Thomas Austin Barry	*Brockton, Mass.*	Maxcy 320
Walter Ives Bartlett	*Providence*	University 53
Charles Franklin Bates	*Cattaraugus, N. Y.*	29 Benevolent St.
Harry Lothrop Bates	*Providence*	University 47
Edward Babcock Beam	*Paterson, N. J.*	University 46
Daniel Everett Bellows	*Providence*	Hope 27
Hartzell Russell Birch	*Olneyville*	University 13
Alfred Varney Blackstone	*State Farm, Mass.*	Slater 3
Percy Howard Blanding	*Providence*	Slater 2
Albert Beeber Boynton	*Sewaren, N. J.*	Hope 42
Arthur Eugene Brown	*Providence*	63 Angell St.
Howard Earle Brown	*West Kingston*	Hope 9
Reginald Langdon Brown	*Phenix*	Hope 47
Thomas Dalton Brown	*Boston, Mass.*	University 33
John Ervin Bullard	*Keene, N. H.*	University 52
Clarence Van Reynegom Bumsted	*Jersey City, N. J.*	University 43
Elmer Ellsworth Butler	*Watertown, Mass.*	Hope 16
John Hutchins Cady	*Providence*	Slater 11
Charles Sturgis Carpenter	*Providence*	University 19
Clifford Eugene Carr	*Providence*	87 Congdon St.
Roscoe Arnold Carter	*Highlandville, Mass.*	Slater 1

NAME	RESIDENCE	ROOM
Joseph Clarence Cawley	*East Providence*	East Providence
Charles Otis Chase	*Haverhill, Mass.*	123 Thayer St.
James Garfield Clifford	*Ware, Mass.*	Maxcy 318
Harry Moses Cobb	*East Parsonsfield, Me.*	Slater 6
Lewis Hartsough Conant	*Palmyra, N. Y.*	50 Waterman St.
Fred Milton Cook	*Reading, Mass.*	Messer 2
Theodore Arthur Cornell	*Providence*	123 Thayer St.
Fred Judson Cox	*Haverhill, Mass.*	Hope 43
Azariah Foster Crowell, Jr.	*Woods Hole, Mass.*	Hope 3
Carl Custer Cutler	*Greenville*	Messer 15
Arthur Albertus Denico	*Narragansett Pier*	Hope 10
Frank Lawrence Dillon	*Palmer, Mass.*	Hope 10
Lester Earle Dodge	*Block Island*	University 27
Henry Bernardin Drowne	*Providence*	20 Benefit St.
James Warren Dyson	*Providence*	Hope 38
Stephen Howard Easton	*Central Falls*	University 18
George Wilbur Eddy	*Greenfield, Mass.*	87 Congdon St.
Frank Henry Ehmke	*Silver Creek, N. Y.*	63 Angell St.
Waldo Henry Fish	*Central Falls*	Slater 3
Isaac Fleming	*Musquodoboit, N. S.*	70 Benevolent St.
Robert Forster	*Poughkeepsie, N. Y.*	University 10
Gay Nichols Freeman	*Washington, D. C.*	4 Manning St.
Percy Winchester Gardner	*Wakefield*	Hope 42
James Lawrence Gartland	*Warren*	Warren
Clarence Curtis Gleason	*Lonsdale*	Hope 22
Henry Otis Green	*Renrock, O.*	14 George St.
Phillip Bardwell Hadley	*Shelburne Falls, Mass.*	Howell 6
Willis Warren Harriman	*Whitinsville, Mass.*	Maxcy 201
William Albion Hart	*Concord Junction, Mass.*	Hope 44
William Thomson Hastings	*Feeding Hills, Mass.*	Hope 47
Leslie Robert Hicks	*Chicago, Ill.*	Hope 8
Harrison Bucklin Hill	*Rumford*	University 34
Edward Winslow Holmes	*New Bedford, Mass.*	University 17
Albert Wesley Hopkins	*Olneyville*	University 13
Nathaniel Orson Howard	*Providence*	6 W. Park St.
Frederic Mason Kinsley	*Worcester, Mass.*	Hope 41

NAME	RESIDENCE	ROOM
Alexander Joseph Larkin	*Ansonia, Ct.*	University 31
William Ross Lawton	*Providence*	Hope 12
Robert Herman Lear	*No. Leominster, Mass.*	University 18
Harry Gancello Leighton	*Lowell, Mass.*	Hope 46
Roy Sylvester Litchfield	*Fitchburg, Mass.*	Slater 1
Charles Anthony McDonald	*Providence*	Hope 13
Harold Austin Mackinney	*Providence*	University 25
William Thomas Murphy	*Providence*	27 Landor St.
Danforth Livermore Nash	*Augusta, Me.*	Brunonia 9
Charles Lemuel Osler	*Providence*	Hope 25
Fred Alleyne Otis	*Providence*	University 21
Lionel Henry Peabody, Jr.	*Middletown*	Messer 16
Theodore Frederick Pevear	*Lynn, Mass.*	University 44
Arthur Lloyd Philbrick	*W. Somerville, Mass.*	Maxcy 425
Arthur Upham Pope	*Newburyport, Mass.*	Hope 39
Henry Wallace Pratt	*Bridgewater, Mass.*	62 Meeting St.
James Edward Quinn	*Milwaukee, Wis.*	Hope 28
William Orin Rice	*South Gardner, Mass.*	University 30
Maurice Benjamin Rich	*Providence*	University 17
William Lewis Roberts	*Goffstown, N. H.*	University 18
Harry Westcott Rockwell	*Rockwell's Mills, N. Y.*	University 48
Charles Duren Roston	*Dorchester, Mass.*	209 Williams St.
Arthur Henry Scott	*Pawtucket*	Hope 28
James Leonard Sherman 2d	*Providence*	University 44
Lester Burrell Shippee	*East Killingly, Ct.*	Hope 30
Tilden Hendricks Stearns	*Wilmot, N. H.*	Hope 14
Claude Henry Stockard	*Providence*	Hope 20
Bates Eben Stover	*Chicopee, Mass.*	University 31
Frederic Daniel Sullivan	*Providence*	University 55
Leslie Hunt Sutherland	*Natick, Mass.*	University 58
Albert William Hayden Thompson	*Providence*	Maxcy 203
Manning Eugene Van Nostrand	*Keyport, N. J.*	Hope 21
George Roberts Walworth	*Newton, Mass.*	Slater 11
Willard Garfield Ward	*Providence*	Hope 26
George Waterhouse	*Beaufort, S. C.*	Hope 8
Charles Perkins Webber	*Wakefield, Mass.*	Maxcy 204

NAME	RESIDENCE	ROOM
Allan Ferguison Westcott	*Alexandria Bay, N. Y.*	Hope 2
Edward Nelson White	*Acushnet, Mass.*	Hope 22
Henry Wilson White	*Providence*	Hope 27
Samuel Hall Whitley	*Plattsburgh, N. Y.*	Hope 12
Arthur Melvin Winslow	*Providence*	Hope 20
Trueman Doane Woodbury	*Bow Mills, N. H.*	Hope 34
Francis Elliott Young	*Easton, Md.*	Hope 45

SOPHOMORES — CLASS OF 1904

NAME	RESIDENCE	ROOM
Austin Ketcham Allen	*Stanfordville, N. Y.*	Messer 8
Capwell Allen	*Brooklyn, N. Y.*	45 Waterman St.
Chester Salisbury Allen	*Worcester, Mass.*	University 40
Everard Appleton	*Providence*	209 Angell St.
William Day Appleton	*Providence*	209 Angell St.
Edmund Kingsley Arnold	*Touissett, Mass.*	Maxcy 322
Willard Barber Atwell	*Hebronville, Mass.*	Maxcy 432
Willis Frank Avery	*Manchester, N. H.*	Messer 7
Joseph Chester Bailey	*Providence*	University 19
Clifford Thomas Barber	*Arcadia*	117 George St.
Irving Judson Beckwith	*Oxford, N. Y.*	Hope 32
Wallace King Belding	*Malone, N. Y.*	University 44
Frederick Joseph Berth	*Providence*	Maxcy 201
Ralph Hervey Bevan	*Providence*	475 Hope St.
Richard Warren Blanding	*Providence*	Slater 2
Ilsley Boone	*Brooklyn, N. Y.*	Hope 29
John Rich Bouldry Jr.	*Weymouth, Mass.*	87 Congdon St.
Henry James Brady	*Providence*	385 Pine St.
Asa Lloyd Briggs	*Ashaway*	Slater 12
Herbert Frank Brightman	*Fall River, Mass.*	Maxcy 322
Morris Brown	*Woonsocket*	21 Pratt St.
Ralph Arthur Brown	*Silver Creek, N. Y.*	Messer 4
Earl Whitney Browning	*Worcester, Mass.*	Hope 38
Bertram Harrington Buxton	*Providence*	Hope 11
Arthur Ewen Cameron	*Providence*	Hope 48
Murray Hubert Cann	*Providence*	University 34
John Patrick Carroll	*Providence*	131 Tockwotton St.
William Edson Cheever	*Providence*	Maxcy 212
Harrie Norman Cheney	*Providence*	308 California Ave.
Paul Franklin Clark	*Portland, Me.*	Hope 48
Warren Almon Clough	*Groton, Mass.*	29 Benevolent St.
Guy Blandin Colburn	*Nashua, N. H.*	Messer 1

NAME	RESIDENCE	ROOM
James Henry Cooper	*Monmouth, Ill.*	291 Thayer St.
Michael Francis Costello	*Pawtucket*	376 Weeden St., Pawtucket
Frederick Aloysius Coughlin	*Woonsocket*	Woonsocket
Foster Barker Davis	*Providence*	Slater 16
Clarence Washington Dealtry	*Bryantville, Mass.*	Maxcy 212
Harold Williams Drury	*North Swansea, Mass.*	University 58
Richard Owen Dummer	*Weld, Me.*	Messer 12
James Harper Duncan	*Haverhill, Mass.*	Maxcy 316
William Young Easterbrooks	*Pawtucket*	Hope 34
Clarence Milton Eddy	*Ellwood City, Pa.*	14 George St.
Howard Foss Esten	*Pawtucket*	Maxcy 434
Louis Edward Feingold	*Worcester, Mass.*	260 Benefit St.
Charles Fowler Fields	*Granby, Conn.*	Maxcy 434
John Pierce Filson	*Diamond, N. Y.*	29 Benevolent St.
George Blinn Francis, Jr.	*Providence*	Slater 9
Charles Rivers Frazer	*Auburn, Ala.*	University 33
Herbert Augustine Freeman	*Willimantic, Conn.*	Howell 2
James Murray Gallison	*Franklin, Mass.*	Slater 20
Philip Trayne Gleason	*Lonsdale*	Hope 23
Clifford Moore Granger	*Feeding Hills, Mass.*	8 Hopkins St.
William Henry Gray	*Malone, N. Y.*	University 44
Howard Bristol Grose, Jr.	*Wellesley Hills, Mass.*	Slater 19
Wells Albert Hall	*Brockton, Mass.*	Hope 25
Leo Gregory Hana	*Providence*	133 Elm St.
Harold Robert Hanson	*East Providence*	East Prov. Centre
Wendell Edmund Harlow	*Middleboro, Mass.*	Hope 33
Howard Farnam Hart	*Fayetteville, N. Y.*	87 Congdon St.
Charles Shailer Hascall	*New York, N. Y.*	Maxcy 205
William Chace Hascall	*New York, N. Y.*	Maxcy 202
Harry Worthington Hastings	*Agawam, Mass.*	Hope 47
John Peabody Herring	*East Providence*	East Providence
Clifton Henry Hobson	*Palmer, Mass.*	Hope 4
William George Hoffman, Jr.	*Providence*	38 Atwood St.
George Sanford Holmes	*Pawtucket*	Hope 7
Gustavus Benjamin Holt	*Boston, Mass.*	Brunonia 12
Charles Wesley Hunt	*No. Charlestown, N. H.*	Hope 23

NAME	RESIDENCE	ROOM
Newton Peck Hutchison	*Providence*	Slater 12
Royal Nesmith Jessup	*Brooklyn, N. Y.*	Hope 48
Frederick Clark Jones	*Providence*	Slater 5
Harold Vincent Joslin	*Scranton, Pa.*	Brunonia 8
Noble Brandon Judah, Jr.	*Chicago, Ill.*	57 Waterman St.
Llewellyn William Jutten	*Fall River, Mass.*	University 56
George Edward Kelleher	*Providence*	University 17
Herbert Alden Kenyon	*Providence*	Hope 46
Matthew Kollig	*Silver Creek, N. Y.*	Messer 2
George Elmer Lamphere	*Mystic, Ct.*	72 College St.
Norton Jude Lamson	*Pierrepont Manor, N. Y.*	117 George St.
Ralph Arthur Lane	*Worcester, Mass.*	Howell 3
Louis Russell Langworthy	*East Providence*	East Providence
Charles Bainbridge Leland	*Clifton Springs, N. Y.*	University 45
Alpha Freeman Leonard	*Needham, Mass.*	Maxcy 432
Jesse Wanton Shippee Lillibridge	*East Greenwich*	Hope 41
Samuel Everett Lincoln	*East Providence*	Hope 19
John Prior Thornley McBay	*Providence*	Maxcy 205
Edward Joseph McCaffrey	*Providence*	Hope 32
James Alphonsus McCann	*Providence*	University 18
Eugene Ambrose McCarthy	*Fall River, Mass.*	78 Grant St., Fall River
Eugene La Verne McIntyre	*Waldo, Wis.*	117 George St.
James Joseph McKenna	*Providence*	University 18
Joseph William Mackenzie	*Fall River, Mass.*	University 22
Walter Dennis Mackie	*Providence*	43 Woonasquatucket Ave.
Lauren Leslie McMaster	*Wakefield, Mass.*	Howell 3
Edward Sumner Macomber	*North Dartmouth, Mass.*	University 55
James MacPherson	*Glasgow, Scotland*	Hope 30
Robert Grant Martin	*Salem, Mass.*	Hope 17
Carlton Howard Maryott	*Millbrook, N. Y.*	Messer 8
Stephen Waterman Mason	*Providence*	149 Waterman St.
Alfred Fellows Masury	*Danvers, Mass.*	4 Manning St.
Earle Jerome Mathewson	*Central Falls*	Central Falls
Jacob Alexander Mattuck	*Worcester, Mass.*	14 George St.
Houghton Metcalf	*Providence*	Slater 8
Allen Webster Milliken	*New Bedford, Mass.*	University 56

NAME	RESIDENCE	ROOM
Richard Montague	*Cambridge, Mass.*	Hope 39
Elisha Capron Mowry	*Providence*	University 12
Christian Augustus Nelson	*New Sweden, Me.*	1066 Broad St.
George Smith Newcombe	*Thomaston, Me.*	Hope 21
Oliver Perry Newton	*Sandy Creek, N. Y.*	29 Benevolent St.
Frederick William O'Connell	*Providence*	75 Langdon St.
Horatio Nelson Otis	*Providence*	University 10
John Hector Palmer	*Portland, Me.*	70 Benevolent St.
Arthur Lionel Patch	*Stoneham, Mass.*	Hope 19
Walter Everett Prince	*Worcester, Mass.*	260 Benefit St.
Bernard Perry Raymond	*Winchendon, Mass.*	Hope 22
Wilber Tibbetts Reynolds	*East Greenwich*	Hope 2
Louis Earle Rowe	*Shawomet Beach*	Howell 3
Herbert Lee Sackett	*Smith's Mills, N. Y.*	Hope 1
Lucius Albert Salisbury	*Sandy Creek, N. Y.*	117 George St.
William Sandager	*Auburn*	Hope 23
William Benjamin Satterlee	*Poughkeepsie, N. Y.*	Slater 7
Charles Frederic Savage	*Chicago, Ill.*	117 George St.
Berrick Schloss	*Pawtucket*	Hope 7
Edwin Garzea Scott	*Pawtucket*	Hope 38
Eliot Rossiter Scudder	*Brockton, Mass.*	Slater 18
Ralph Atherton Sherwood	*Providence*	324 Laurel Hill Ave.
Charles Aloysius Slattery	*Providence*	24 Vernon St.
Harry Smalley	*Fall River, Mass.*	31 Benevolent St.
George Lawton Spencer	*Providence*	Hope 36
John Jay Staley	*Warrens, Wis.*	Hope 2
Albert Hayes Stanton	*Ekonk, Ct.*	22 Halsey St.
Elmer Tompkins Stevens	*Chicago, Ill.*	Slater 14
Edward Padelford Taft	*Providence*	272 Benefit St.
George Francis Teehan	*Providence*	Hope 13
Edwin Judkins Tetlow	*Providence*	Hope 21
Clarence McGregor Thompson	*Hartford, Ct.*	58 College St.
Roy Towne	*Windham, Ct.*	18 Pequot St.
Samuel Beedy Trumbull	*Lawrence, Mass.*	Maxcy 432
William Hutchins Turner	*Paterson, N. J.*	University 43
Earl Vanderbilt	*Little York, N. J.*	94 Vinton St.

NAME	RESIDENCE	ROOM
John Brown Watson	*Tahlequah, I. T.*	Hope 45
Albert Benjamin West	*Providence*	Maxcy 319
Leon Arnold Winslow	*Bath, Me.*	Messer 1
John Freeman Woodman	*Manchester, N. H.*	62 Meeting St.
Thomas Joseph Wynne	*Warren*	Warren
Arthur Lincoln Young	*New Dorchester, Mass.*	Maxcy 319

FRESHMEN—CLASS OF 1905

NAME	RESIDENCE	ROOM
Henry Frederick Ahrens	*Brooklyn, N. Y.*	Maxcy 435
Charles Stanley Aitkin	*Mt. Hermon, Mass.*	117 George St.
William Horton Albrecht	*Westport, Mass.*	Howell 5
Frank Taylor Albro	*Fall River, Mass.*	Maxcy 211
Ira Zer Allen	*E. Springfield, Pa.*	University 26
George Deacon Allison	*Brooklyn, N. Y.*	99 Benevolent St.
Harrington Tillinghast Anthony	*Drownville*	Slater 19
James Vere Anthony	*Ware, Mass.*	Maxcy 318
Harold Greene Arnold	*Providence.*	159 Waterman St.
George Sanford Atwood	*Newburgh, N. Y.*	Hope 4
Samuel Newhall Baker	*Providence*	48 Barnes St.
Levi Herbert Ballou	*Woonsocket*	Woonsocket
Walter Howard Barney	*Providence*	Hope 35
William Henry Barr	*Suffield, Conn.*	8 Hopkins St.
Samuel Teel Bartlett	*Davisville*	University 53
Edgar Augustine Beatty	*Lovettsville, Va.*	Hope 14
Raymond Waring Benson	*Vinyard Haven, Mass.*	Maxcy 436
Edward Joseph Black	*Providence*	15 Mechanic Ave.
Leroy Franklin Bliss	*Fall River, Mass.*	411 Winter St., Fall River
Otis Edward Bloomquist	*Falconer, N. Y.*	63 Angell St.
Louis LaBaum Booth	*Poughkeepsie, N. Y.*	41 Angell St.
William Mitchel Bottomley	*Arlington*	Arlington
Harris William Breedin	*Laconia, N. H.*	Maxcy 427
James Cooper Bright	*No. Tiverton*	66 Meeting St.
Frederick Calvin Broomhead	*Fall River, Mass.*	31 Benevolent St.
Allyn Larrabee Brown	*Norwich, Conn.*	Hope 6
Arthur Robert Brown	*Hornellsville, N. Y.*	87 Congdon St.
Bertram Clyde Bugbee	*Woodstock Valley, Conn.*	127 Benefit St.
George Burroughs Bullock	*Providence*	28 Pitman St.
Haywood Murray Butler	*Providence*	Maxcy 318
Raymond Davis Cady	*Providence*	42 Laura St.
William Henry Camfield	*Providence*	136 Oxford St.

NAME	RESIDENCE	ROOM
Harry Barnes Campbell	*Bridgewater, Mass.*	Messer 9
James Robert Cannon	*Providence*	106 Huntington Ave.
Adin Mowry Capron	*Stillwater*	Slater 5
Ralph William Chandler	*Perry, Iowa*	University 53
Joseph Colter	*Suffield, Ct.*	8 Hopkins St.
James Henry Connolly	*Pawtucket*	177 School St., Pawtucket
Frederic Webster Cook	*Providence*	453 Angell St.
Edwin Angell Cottrell	*Newport*	Maxcy 323
William Aloysius Cox	*Pawtucket*	176 Sterry St., Pawtucket
Roland Kimball Crafts	*Manchester, N. H.*	72 College St.
Judson Adams Crane	*Groton, Mass.*	Maxcy 324
Raymond Earl Cranston	*Providence*	Maxcy 206
Earle Bennett Cross	*Providence*	Maxcy 206
Lewis Porter Damon	*Fall River, Mass.*	Maxcy 322
David Davidson	*Providence*	Maxcy 319
Herbert Franklin Davison	*Pawtucket*	41 Summer St., Pawtucket
Albert Arthur Deal	*Rhinebeck, N. Y.*	117 George St.
Paul Churchill Dewolf	*Newark, N. J.*	72 College St.
Roscoe Conkling Dorn	*Sloansville, N. Y.*	120 Congdon St.
Charles Henry Douglass	*Providence*	135 Brook St.
Albert Averill Dowd	*Hotchkissville, Ct.*	120 Congdon St.
William Clark Drohan	*Brockton, Mass.*	72 Congdon St.
Ralph Everett Durkee	*Worcester, Mass.*	Maxcy 431
Nicholas Redwood Easton	*Pawtucket*	Maxcy 315
DeWitt Carl Eggleston	*Sound Beach, Ct.*	62 Meeting St.
Charles William Ehmke	*Silver Creek, N. Y.*	63 Angell St.
Caleb Harris Farnum	*Providence*	17 Halsey St.
James Wilson Fletcher	*Holyoke, Mass.*	Hope 13
James Roy Foulder	*Salt Point, N. Y.*	Slater 4
Fred Haywood Freeman	*Sterling, Ct.*	Messer 7
George William Frink	*Norwich, Ct.*	Hope 6
Richard Thomas Garland	*Pawtucket*	59 Clifford St., Pawtucket
Jesse Madison Gathany	*Hallstead, Pa.*	117 George St.
George Adam Gessner	*Macomb, Ill.*	Hope 44
Samuel Carlisle Goodrich	*Newburgh, N. Y.*	Maxcy 210
Edwin Sykes Goodwin	*Laconia, N. H.*	63 Angell St.

NAME	RESIDENCE	ROOM
Theodore William Gordon	*Lyme, N. H.*	Hope 25
Stephen Earl Gratrix	*Newport*	Messer 14
Chester Carr Greene	*Providence*	442 Pine St.
Elmer Dinsmore Greenleaf	*Auburn, Me.*	University 51
Martin Stuart Hall	*Alpine, N. Y.*	279 George St.
Russell Howard Handy	*Manville*	Slater 5
Philip Adams Hanson	*Portland, Me.*	Hope 48
Harry Spear Harding	*Stoneham, Mass.*	Hope 19
Edward Everett Harkness	*Gardner, Mass.*	42 Angell St.
Theodore Conrad Hascall	*New York, N. Y.*	Maxcy 205
Harry French Hatch	*St. Albans, Vt.*	Hope 41
Frederick Eugene Hawkins	*Providence*	Hope 25
Chester LeRoy Hayward	*Temple, N. H.*	87 Congdon St.
Oscar Leonard Heltzen	*Providence*	497 Morris Ave.
William Read Hersey	*Providence*	148 Broad St.
Carl Augustus Hiland	*Manchester, N. H.*	72 College St.
Warren Park Hill	*Lakewood, N. J.*	57 Harrison St.
Harry Hiram Hinds	*St. Albans, Vt.*	Messer 10
Benjamin Holland, Jr.	*Providence*	Maxcy 429
Edgar Arnold Hopkins, Jr.	*Providence*	250 Olney St.
Ray Palmer Hovey	*Caloosa, Fla.*	Maxcy 321
Arthur Allison Howard	*Wakefield, Mass.*	Howell 3
Frank Gilbert Howard	*Arlington*	Arlington
Hinson Vernon Howlett	*Taunton, Mass.*	Howell 4
Colgate Hoyt, Jr.	*New York, N. Y.*	Slater 10
Charles Hadlai Hull	*New London, Ct.*	Hope 17
Frank Clifton Hulse	*Port Jefferson, N. Y.*	Messer 14
Stephen Foster Hunt	*Providence*	Slater 8
Lucien Stevens Hyde	*Whitney's Point, N. Y.*	Messer 5
Alfred Wesley Ingalls	*Lynn, Mass.*	62 Meeting St.
Robert Irving Jamieson	*Conimicut*	28 Westfield St.
Oliver Saunders Jennings	*Fall River, Mass.*	University 28
Joseph Johnson	*Providence*	33 Plenty St.
George Frederick Keene, Jr.	*Howard*	Howard
Leon Munn Kendall	*Fairlee, Vt.*	48 Lloyd Ave.
Ralph Darling Kettner	*Providence*	Maxcy 429

NAME	RESIDENCE	ROOM
Charles Harvey Kingman	*Jamestown, N. Y.*	117 George St.
William John Lamkie	*Walpole, N. H.*	117 George St.
Arthur Joseph Latham	*Edgewood*	Hope 11
Frederick William Laub	*Philadelphia, Pa.*	Hope 21
Percy Remington Leete	*Pawtucket*	93 Summit St., Pawtucket
John Maria Lennon	*Pawtucket*	University 55
Ernest Farnum Lewis	*Providence*	Maxcy 429
Stephen Albert Lowe	*New Bedford, Mass.*	117 George St.
Edwin Herbert Lyle	*Red Bank, N. J.*	87 Congdon St.
Carl Dewing Lytle	*No. Brookfield, Mass.*	Hope 37
John Henry McGough, Jr.	*Providence*	Hope 9
John Christopher Mahoney	*Providence*	Maxcy 435
Francis Maines	*Paterson, N. J.*	87 Congdon St.
Frank Nesler Mandeville	*Newark, N. J.*	72 College St.
Frank Elliot Marble	*Lynn, Mass.*	31 Benevolent St.
Robert Alvin Marble	*Worcester, Mass.*	Maxcy 431
Arthur Carroll Maxfield	*Pittsfield, N. H.*	62 Meeting St.
Arthur Palmer May	*Somerset, Mass.*	155 Lippitt St.
William Granville Meader	*Providence*	Hope 25
Walter Percy Meredith	*Providence*	109 Metcalf St.
Jacob Cooper Millard	*Providence*	120 Congdon St.
Charles Stuart Mitchell	*Sayreville, N. J.*	Hope 13
George Albert Morrell	*Lakewood, N. J.*	Hope 7
Malcomb Bemis Mower	*So. Berwick, Me.*	Maxcy 207
Hovsep Caspar Nahigian	*Providence*	Messer 4
Philip Nanes	*Worcester, Mass.*	337 North Main St.
Harold Charles Newton	*Athol, Mass.*	29 Benevolent St.
Lester Hutchinson Nichols	*Bennington, Vt.*	Maxcy 321
Frederick William O'Connor	*Pawtucket*	27 Lawn Ave., Pawtucket
Alfred John Olsen, Jr.	*Providence*	28 Grand St.
Ralph Granville Ostby	*Providence*	University 19
Charles Earle Otis	*Providence*	University 21
Daniel Willets Overocker	*Poughkeepsie, N. Y.*	Slater 4
Sangkyn Pak	*Seoul, Korea*	29 Benevolent St.
John Simmons Palmer	*Providence*	Maxcy 429
Harry Maynard Penley	*Auburn, Me.*	Slater 3

NAME	RESIDENCE	ROOM
Arthur Niles Potter	*Willimantic, Ct.*	Howell 2
Leonidas Pouliot, Jr.	*Fall River, Mass.*	Central Falls
Robert Carlisle Powell	*Poughkeepsie, N. Y.*	Brunonia 16
Irving Lanouette Price	*Worcester, Mass.*	163 Howell St.
Frederick Lyman Provan	*Beverly, Mass.*	Maxcy 313
Oscar William Rackle	*Canton, O.*	Maxcy 212
William Alfred Read	*So. Hanson, Mass.*	Maxcy 212
Albert Charles Richards	*Providence*	29 Francis St.
Edward Payson Ripley	*Dorchester, Mass.*	Slater 18
Charles Edwin Robinson	*New Market, N. H.*	223 Ives St.
Charles Lorimer Robinson	*Providence*	Maxcy 436
Howard Reeve Rupley	*Poughkeepsie, N. Y.*	Slater 7
Frederick Naylor Russell	*Lowell, Mass.*	Maxcy 313
Meyer Sackett	*Providence*	508 North Main St.
Fred Schwinn	*Newark, N. J.*	72 College St.
Raymond Wentworth Seamans	*North Providence*	Maxcy 206
Charles Henry Seddon	*Providence*	29 Sexton St.
Francis Henry Sheldon	*West Suffield, Conn.*	63 Angell St.
Gilbert Elwood Sloane	*Foxboro, Mass.*	63 Angell St.
Chester Wilson Smith	*Worcester, Mass.*	72 College St.
Edward Staples Smith	*Providence*	University 52
Francis Hervey Smith	*Hillsboro Bridge, N. H.*	Hope 26
William Arnold Spicer, Jr.	*Providence*	Slater 13
Howland Sherman Stedman	*Newport*	Maxcy 323
Smith Oliver Steere	*Mapleville*	43 Cottage St.
Frank William Stephens	*Hornellsville, N. Y.*	87 Congdon St.
Augustus Noble Stonegrave	*St. Albans, Vt.*	Messer 10
Herbert Jackman Stowell	*Berlin, N. H.*	Howell 4
Harvey Julian Swann	*Salem, Mass.*	Hope 30
Charles Arthur Tarbel	*Chicago, Ill.*	Slater 14
Francis Taylor, Jr.	*Wilmington, Del.*	87 Congdon St.
Walter Oscar Terry	*Athol, Mass.*	29 Benevolent St.
John Harrison Thompson	*Hartford, Ct.*	58 College St.
Frederick Butler Thurber	*Providence*	229 Waterman St.
Charles Carpenter Tillinghast	*Oak Lawn*	Oak Lawn
Arthur Brintwall Tingley	*Providence*	77 Brown St.

NAME	RESIDENCE	ROOM
Arthur Swain Townsend	*East Providence*	Maxcy 432
Ray Cass Vaughan	*Beaver Dam, Wis.*	117 George St.
Rodney Charles Walker	*Ludlow, Vt.*	120 Congdon St.
Gene Wilder Ware	*Shelburne Falls, Mass.*	Howell 7
Harold Draper Warren	*Providence*	180 Medway St.
Joseph Arnold Warren	*Providence*	180 Medway St.
Chester Campbell Waters	*Providence*	70 Almy St.
Archie Roy Webb	*Whitehall, Wis.*	117 George St.
Thomas McAlpine Webb	*Pettaconsett*	Pettaconsett
Charles Albert Weeks	*Providence*	Hope 41
Paul Weiss	*Dolgeville, N. Y.*	117 George St.
Thomas Albert Welch	*Lynn, Mass.*	31 Benevolent St.
Lester Allen Wells	*Providence*	209 Montgomery Ave.
Herbert Comstock Wells	*Kingston*	Slater 8
Carlton Grieves White	*Somerville, Mass.*	Hope 26
Samuel Goodrich Whittelsey	*Providence*	Hope 1
Clifford Morris Wilson	*E. Greenwich*	E. Greenwich
Ellery Lewis Wilson	*Rumford*	Rumford
Eugene Merrill Wilson	*Mt. Vernon, N. Y.*	Hope 15
Basil Boise Wood	*Newton Centre, Mass.*	Maxcy 433
Ralph Benjamin Woodsum	*Exeter, N. H.*	Maxcy 207
Charles Alexander Zaslavsky	*Providence*	129 Williams St.

SPECIAL STUDENTS

NAME	RESIDENCE	ROOM
Otto Frederick Ahrens	*Brooklyn, N. Y.*	Maxcy 435
William Walter Andrew	*Providence*	Maxcy 204
James Hale Baker	*Holyoke, Mass.*	Maxcy 435
Edgar Clark Ballou	*Providence*	Hope 2
George Milton Bardsley	*Fitchburg, Mass.*	Maxcy 434
Harry Davenport Bellin	*Central Falls*	Central Falls
Philip Eastman Brooks	*Dorchester, Mass.*	Maxcy 208
William Gaylord Brown	*Collinsville, Ct.*	Howell 8
Frank Arthur Burr	*East Providence*	East Providence
John Callahan	*Pawtucket*	37 Broad St., Pawtucket
Joseph Huntley Carroll	*Providence*	7 Gladstone St.
Otis Jameson Case	*Poughkeepsie, N. Y.*	Brunonia 16
Frank Hammett Childs	*New Bedford, Mass.*	11 Hudson St.
Herman Nelson Colter	*Suffield, Ct.*	8 Hopkins St.
Frank Starr Cooke	*Providence*	18 Maple St.
Albert Linwood Copeland	*Thomaston, Me.*	Hope 13
Walter Barron Hastings Currier	*Springfield, Mass.*	University 40
Fred Philbrick Curtice	*E. Washington, N. H.*	63 Angell St.
Clinton Viall Dean	*Providence*	University 19
Charles Edward Grinnell Dickerson	*Providence*	62 Pearl St.
Floyd Smith Doughty	*East Providence*	East Providence
Francis Dwyer	*Ansonia Ct.*	Maxcy 317
Thomas Albert Fenton	*Providence*	120 Peace St.
Kenneth Ripley Forbes	*Newton Centre, Mass.*	63 Angell St.
Henry Alfred Gardner	*Pawtucket*	54 Warren Ave., Pawtucket
Robert Nathan Gee	*Arkwright*	Hope 20
Spencer Benjamin Greene	*Central Falls*	University 18
Louis Gildersleeve Guernsey	*Poughkeepsie, N. Y.*	Slater 7
Lewis Frederick Hall	*Bridgeport, Ct.*	Maxcy 425
Frank Louis Hanley	*Providence*	85 Pocasset Ave.
Charles Hargrove	*Charlestown, Mass.*	87 Congdon St.
Joseph Leo Harson	*Providence*	Maxcy 205

NAME	RESIDENCE	ROOM
John Joseph Healey	*Providence*	636 Cranston St.
Howard Raymond Heydon	*Crompton*	4 Manning St.
George Archibald Humphries	*Manville*	Manville
Daniel Joseph Hurley	*Providence*	36 East George St.
Anders William Hvirstendahl	*Providence*	414 Friendship St.
Frederick William Jones	*Providence*	160 Prospect St.
Joshua Henry Jones Jr.	*Columbus, O.*	Hope 45
Arthur Wellesley Joyce	*Providence*	37 Parkis Ave.
Joseph Leon LaCroix	*Pawtucket*	68 Carpenter St.
James Henry Leedham	*Valley Falls*	Valley Falls
James Manning Lent	*Winthrop, Mass.*	Hope 29
George Edward Lombard	*Providence*	32 Stewart St.
Robert Bell Longwell	*Reidsburg, Pa.*	Hope 31
Clifton Wells Loveland	*Providence*	143 Indiana Ave.
Michael Joseph Lynch	*Holyoke, Mass.*	Maxcy 317
Leo Thomas McCready	*Providence*	Hope 9
Ralph Edward Mason	*Providence*	Slater 11
Samuel Mason	*Providence*	36 Goddard St.
Butler Anderson Mathews	*Brooklyn, N. Y.*	Hope 36
Robert Wheaton Mawney	*Providence*	380 Smith St.
Leonard Edward Norris	*Providence*	Hope 9
John Ferdinand Oderman	*Providence*	Maxcy 203
Agide Pirazzini	*Providence*	332 Academy Ave.
John Francis Russell	*Providence*	589 Broadway
Clovas Preston Salladay	*East Greenwich*	East Greenwich
John Henry Stimpson	*Elgin, Ill.*	Hope 25
Franklin Nelson Strickland	*Providence*	235 Butler Ave.
John Christopher Sullivan	*Valley Falls*	Valley Falls
Louis Swig	*Taunton, Mass.*	University 1
Frank Andrew Tibbetts	*Providence*	511 Hope St.
Burtt Neville Timbie	*Pittsfield, Mass.*	Howell 7
Elmer Orlando Weld	*Mansfield, Mass.*	Maxcy 319
Warren Appleton Whitney	*Worcester, Mass.*	Hope 18
Frank Bowen Whittemore	*Worcester, Mass.*	University 19
Hollis Bradford Wilcox	*Chicago, Ill.*	Hope 24

THE WOMEN'S COLLEGE

SENIORS — CLASS OF 1902.

NAME	RESIDENCE	ROOM
Ruth Stiles Allen	*Providence*	76 Pitman St.
Florence Brandenburg	*Boston, Mass.*	15 Keene St.
Mary Edna Budlong	*Providence*	88 Chapin Ave.
Leila Belle Carter	*Providence*	24 Inkerman St.
Emma May Caufield	*Ashton*	Ashton
Maude Evelyn Clarke	*Newport*	42 Angell St.
Amy Jenckes Cook	*Woonsocket*	101 Congdon St.
Ella Frances Cory	*Providence*	51 Arch St.
Alice May Cushing	*Providence*	5 Franklin St.
Nellie Maude Dauphinee	*Providence*	186 Ohio Ave.
Maude Farnum	*Providence*	112 Bridgham St.
Louella Dennis Fifield	*Pawtucket*	37 Kossuth St., Pawtucket
Grace Deborah Gallup	*Woonsocket*	42 Angell St.
Lillian May Gammell	*Providence*	357 Gano St.
Abbie Sweetland Ghodey	*Providence*	101 Congdon St.
Edith May Goff	*East Providence*	202 Waterman Ave.
Esther Dora Griswold	*Providence*	28 Oak St.
Mary Louise Hays	*Westfield, Mass.*	66 Benefit St.
Leonora Hill	*Providence*	221 Broad St.
Mary Child Lee	*Providence*	92 Bellevue Ave.
Millicent Rawson Leete	*Pawtucket*	93 Summit St., Pawtucket
Katharine Frances Littlefield	*Providence*	98 Prospect St.
Ella Baxter McCaffrey	*Providence*	61 Congdon St.
Myrtis Alida Millikin	*Providence*	460 Pine St.
Daza Page Mowry	*Providence*	7 Barnes St.
Alice Maud Paul	*Bellingham, Mass.*	130 Ford St.
Grace Pierce	*Providence*	72 Broad St.
Ella Artemisia Pollard	*Attleboro, Mass.*	Attleboro
Marguerite McLeon Reid	*Providence*	321 Blackstone St.

NAME	RESIDENCE	ROOM
Ada Rogers	*Pawtucket*	50 Clyde St., Pawtucket
Margaret Roys	*Uxbridge, Mass.*	66 Benefit St.
Helen Macomber Sherman	*Providence*	45 Elmwood Ave.
Bertha Northup Smith	*Olneyville*	136 Pocasset Ave.
Ida Maude Warren	*Providence*	13 Smithfield Ave.
Ellen Sefton Waterman	*Olneyville*	918 Plainfield St.
Miriam Edwina Withee	*Houlton, Me.*	66 Benefit St.

JUNIORS—CLASS OF 1903

Charlotte Anthony	*Drownville*	Drownville
Ruby Marion Atwood	*New Boston, N. H.*	68 Lloyd Ave.
Jessie May Barbour	*Ashton*	Ashton
Jane Barclay	*Guelph, Ontario*	153 Benefit St.
Alice Morse Barrett	*Providence*	207 Williams St.
Mabel Irene Bartlett	*Providence*	37 Hudson St.
Anna Burnside	*Providence*	359 Knight St.
Edna Georgiana Calef	*Concord, Mass.*	66 Benefit St.
Alice Sheehan Carroll	*Providence*	131 Tockwotten St.
Annie Frances Cheever	*North Attleboro, Mass.*	North Attleboro
Annie Mabel Cobb	*Attleboro, Mass.*	Attleboro
Lillian Maud Coffin	*Providence*	Hartford Ave.
Marion Brooks Gould	*Providence*	45 Charles Field St.
Alice Mina Hersey	*Dorchester, Mass.*	148 Broad St.
Bessie Allen Hood	*Providence*	7 Parkis Ave.
Bessie Alberta Loud	*Providence*	4 Wesleyan Ave.
Hester Jane Mercer	*Willimantic, Ct.*	66 Benefit St.
Mary Elizabeth Mercer	*Willimantic, Ct.*	66 Benefit St.
Ethel May Munro	*Bristol*	Bristol
Ethel Ella Rich	*Providence*	375 Blackstone St.
Lillie Leonaretta Scholfield	*Providence*	49 Beacon Ave.
Helen Sherman Sheldon	*Providence*	1158 Westminster St.
Alma Stockard	*Providence*	41 Waterman St.
Geraldine Ethelwyn Street	*Cranston*	Cranston
Helen Wakely Traver	*W. Hartford, Ct.*	47 Camp St.
Ida Lewis Wheawill	*Auburn*	33 Waterman Ave.
Helen Whitmarsh	*Providence*	42 Arch St.

SOPHOMORES — CLASS OF 1904

NAME	RESIDENCE	ROOM
Edith Violet Aldrich	*Auburn*	33 Blackamore Ave., Auburn
Laura Frances Baker	*East Brewster, Mass.*	168 Williams St.
Lena Belle Baker	*East Brewster, Mass.*	168 Williams St.
Florence Butler Beitenman	*Birdsboro, Pa.*	84 Comstock Ave.
Laura Brooks	*East Providence*	23 Mary Ave.
Eliza Ethel Bruce	*Bath, Me.*	19 Champlin Place
Harriet Louise Campbell	*Centredale*	Centredale
Agnes Alice Cawley	*East Providence*	198 Juniper St., E. Providence
Annie Louise Conley	*Woonsocket*	236 North Main St.
Flora Melville Cotton	*Providence*	16 Humboldt Ave.
Alice Marion Crosby	*Matteawan, N. Y.*	66 Benefit St.
Lottie May Devlin	*Pawtucket*	60 River St., Pawtucket
Annie Fisher	*Providence*	587 Academy Ave.
Florence Ward Greene	*Narragansett Pier*	157 Elmwood Ave.
Linda May Lowell	*Providence*	167 Ohio Ave.
Nora Loretta Maguire	*Providence*	79 Andem St.
Theresa Rachel McKenna	*Providence*	39 Bainbridge Ave.
Annette Walker Milligan	*Saylesville*	Saylesville.
Mary Ellen Oslin	*Providence*	241 Amherst St.
Sara DeVeaux Packard	*Providence*	425 Angell St.
Vera Rector	*Pawtucket*	204 High St., Pawtucket
Inez Vernon Sayer	*Providence*	988 Smith St.
Marjorie Wadsworth Shaw	*Oak Lawn*	Oak Lawn
Marion Lydia Shorey	*Albion, Me.*	68 Lloyd Ave.
Lura Cook Shreve	*Auburn*	Auburn
Miriam Frances Slocum	*Montour Falls, N. Y.*	66 Benefit St.
Eleanor Stark	*Providence*	41 Chapin Ave.
Mae Stenhouse	*Pawtucket*	313 High St., Pawtucket
Harriet Fuller Griggs Stevens	*Willimantic, Ct.*	66 Benefit St.
Elsie Marion Straffin	*Brockton, Mass.*	66 Benefit St.
Sarah Ellen Taylor	*Methuen, Mass.*	129 Oxford St.
Edith Marian Tillinghast	*Providence*	129 Oxford St.
Georgia Louise Towle	*Providence*	47 Camp St.
Edith Field Wilcox	*Providence*	41 Medway St.

FRESHMEN—CLASS OF 1905

NAME	RESIDENCE	ROOM
Josephine Stedman Armstrong	*Worcester, Mass.*	66 Benefit St.
Mary Elizabeth Bannan	*Providence*	311 Prairie Ave.
Grace Arnold Barber	*East Greenwich*	East Greenwich
Marion Hamilton Bonn	*Providence*	8 Spencer St.
Amey Ethel Boss	*Pawtucket*	9 George St., Pawtucket
Edith Anne Brown	*Taunton, Mass.*	66 Benefit St.
Isabel Marion Brownson	*Providence*	342 Plain St.
Bertha Augusta Buffinton	*Providence*	463 Broadway
Sarah Kempton Cady	*Providence*	42 Laura St.
Letitia Mabel Cahoon	*Providence*	92 Wesleyan Ave.
Frances Ross Cameron	*Providence*	487 Hope St.
Millie Dimond Church	*Bristol*	Bristol
Bertha Louise Clark	*Chester, Ct.*	87 Benefit St.
Clara Louise Cooke	*Providence*	18 Maple St.
Eliza Jennetta Delaney	*Providence*	359 Brook St.
Mary Ida Delaney	*Providence*	359 Brook St.
Florence Ellsworth Doane	*Providence*	9 John St.
Olive Bowers Eddy	*Providence*	25 Dyer St.
Lillian Lemira Fairbanks	*West Millbury, Mass.*	250 Charles St.
Mary Louise Gay	*Attleboro, Mass.*	Attleboro
Alida May Green	*Hornellsville, N. Y.*	87 Congdon St.
Bessie Maura Henehan	*Providence*	9 Harriet St.
Louisa Roberta Holt	*Pawtucket*	11 Hayward St., Pawtucket
Roberta Alice Horton	*Pawtucket*	265 Prospect St., Pawtucket
Helen Louise Humphrey	*Towanda, Pa.*	180 Doyle Ave.
Harriet Gertrude Lane	*Providence*	34 Dexter St.
Marie Louise Laviolette	*Woonsocket*	47 Greene St.
Bessie Madeline Leahy	*Pawtucket*	50 Clay St., Pawtucket
Alice Josephine Macomber	*Attleboro*	Attleboro
Alice Howard Manchester	*Providence*	562 No. Main St.
Helen Louise Manchester	*Providence*	75 Comstock Ave.
Susan Annie May	*Goulds*	87 Benefit St.
Ethel Palmer McGregor	*Fall River Mass.*	96 Grove St., Fall River
Lillian Maude Mead	*Maynard, Mass.*	250 Highland Ave.

NAME	RESIDENCE	ROOM
Marion Midgley	*Providence*	177 Progress St.
Elizabeth Perry	*Apponaug*	66 Benefit St.
Jennie May Perry	*Pawtucket*	19 Kossuth St.
Ethel Tremaine Robinson	*Providence*	27 Beacon Ave.
Sarah Gridley Ross	*Cortland, N. Y.*	66 Benefit St.
Lulu Winifred Simpson	*Turtle Point, Pa.*	66 Benefit St.
Alice Whitall Traver	*W. Hartford, Ct.*	47 Camp St.
Louise Whitcher	*Providence*	57 Gordon Ave.
Cora Horton Whittaker	*Seekonk, Mass.*	Seekonk
Inez Kelley Whittemore	*Providence*	87 Willow St.
Clara Virginia Whiting	*Providence*	86 Wendell St.

SPECIAL STUDENTS

Annie Frances Bartlett	*Providence*	104 John St.
Abby Bullock	*Providence*	28 Pitman St.
Margaret Lilie Chace	*Providence*	324 Angell St.
Laura Elizabeth Cooke	*Providence*	18 Maple St.
Susanna Young Cushing	*Providence*	58 Olive St.
Julia Crossman Drury	*Bristol*	Bristol
Mabel Anstice Gannett	*Providence*	43 Chapin Ave.
Flora Sawyer Gifford	*Buffalo, N. Y.*	68 Lloyd Ave.
Ruth Louise Handy	*Manville*	66 Benefit St.
Mary Elizabeth Halcrow	*Providence*	104 Somerset St.
Bertha Ella Harrington	*Providence*	50 Prairie Ave.
Hannah Heaton	*Brunswick, Me.*	66 Benefit St.
Helen Elizabeth Hersey	*Providence*	148 Broad St.
Gladys Huntington	*Providence*	19 Hawthorne St.
Flora Johnson	*Summit*	Summit
Maud Emma Hazard	*Providence*	18 Park St.
Grace Fisher Leonard	*Providence*	156 Broad St.
Ida Anna Morgan	*East Providence*	2270 Pawtucket Ave.
Mabel Cornelia Moulton	*Providence*	327 Elmwood Ave.
Bertha Mabel Nason	*Georgiaville*	Georgiaville
Alice Emma Parkinson	*Providence*	25 Whitmarsh St.
Georgie Smith Peck	*Providence*	48 Princeton Ave.

NAME	RESIDENCE	ROOM
Dorothy Eleanor Randall	*Warren*	Warren
Elizabeth Leigh Richards	*Providence*	169 Power St.
Emily Rogers	*Providence*	204 Bowen St.
Mary Vevers Scott	*Providence*	81 S. Angell St.
Irene Seabury	*Providence*	72 Keene St.
Mary Sturtevant	*Providence*	10 Brown St.
Louise Isabel Thurston	*Providence*	93 Almy St.
Elizabeth Cole Tillinghast	*Providence*	100 West Clifford St.
Caroline Ballou Vose	*Manville*	Manville
Susan Evelyn Waite	*Providence*	444 Friendship St.
Mary Williams	*Providence*	53 Elton St.
Martha Jane Wilson	*Edgewood*	1732 Broad St.

SUMMARY OF THE WOMEN'S COLLEGE

Seniors	36
Juniors	27
Sophomores	34
Freshmen	45
Special Students	34
Total	176

GENERAL SUMMARY

Graduates	94
Seniors	128
Juniors	111
Sophomores	146
Freshmen	198
Specials	67
Women's College	176
Total	920

SUMMARY BY RESIDENCE

Rhode Island	483	Alabama	1
Massachusetts	201	Delaware	1
New York	68	District of Columbia	1
Connecticut	38	Florida	1
New Hampshire	28	Georgia	1
Maine	24	Indian Territory	1
New Jersey	16	Kansas	1
Pennsylvania	14	Maryland	1
Illinois	9	Mississippi	1
Vermont	9	Missouri	1
Wisconsin	6	Korea	1
Ohio	3	Nova Scotia	1
South Carolina	3	Ontario	1
Iowa	2	Scotland	1
Virginia	2		
Total			920

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